PRODUCT SPECIFICATIONS											
MODEL NAME		1050VA	1250VA	1500VA	2250VA	2675VA	3250VA	4000VA	5500VA	7500VA	10000VA
MAINS INPUT MODE											
Mains AC low cut UPS mode		175VAC ± 10VAC									
Mains AC low cut recovery UPS mode		185VAC ± 10VAC									
Mains AC high cut recovery LIPS mode		265VAC ± 10VAC									
Mains AC low cut WUPS mode		255VAC ± 10VAC									
Mains AC low cut WUPS mode Mains AC low cut recovery W.UPS mode		90VAC ± 10VAC 110VAC ± 10VAC									
Mains AC low cut VECOVERY W. OF S HIDGE											
Mains AC high cut recovery W.UPS mode		295VAC ± 10VAC 285VAC ± 10VAC									
Input Frequency Range	o mode	285VAC ± 10VAC 40Hz to 60Hz									
Voltage Output in Mains Mode		Same as input									
Frequency Output in Mains Mode		Same as input									
BATTERY											
Battery Type		LA / Tubular / SMF									
DC input voltage		12V			24V			48V		96V	120V
Battery Quantity 12V 100Ah to 220Ah		1		2			4		8	10	
Float charging voltage		13.7V±0.2V			27.4V±0.2V			54.8V±0.4V		109.6V±0.4V 118V±0.4V	137V±0.4V 148V±0.4V
Bulk absorption Voltage		14.8V±0.2V			29.6V±0.2V			59.2V±0.4V		110V±0.4V 111.5V±0.5V	146V±0.4V 139.5V±0.5V
Boost charging voltage for LA Battery Boost charging voltage for Tubular and SMF Battery		14.0V±0.2V 14.5V±0.2V			28.0V±0.2V 29.0V±0.2V			56.0V±0.4V 57.8V±0.4V		115.5V±0.5V	144.5V±0.5V
Battery deep Discharge Recovery	i and Sivii Dattery		14.3010.20	Yes (I	ndenendent C		ver Deep Disch		10.41	110.5010.50	144.3710.37
Charging Current at Grid priority/E	Battery priority		15A ± 2A	163 (1	14A ± 2A		± 2A	14A ± 2A	15A ± 3A	14A	+ 2A
and an area are process,			10/12 2/1			2571		- 17 (- 27 (15/12 5/1		
BACKUP MODE											
Output voltage		220VAC +5% -10%									
Output frequency		50Hz ± 0.2 Hz									
Output waveform		Pure Sine Wave ≤ 5% THD									
No Load current		<1.8A									
Discharging current @ full load		50A ± 2A	55A ± 3A	90A ±3A	60 ±2A	70 ±2A	90A ±3A	60A ± 2A	70 ±2A	66± 2A	66A ± 2A
Low Battery Warning			10.8±0.2V			21.6V±0.2V		43.2V:		86.4V±0.5V	108±0.5V
Change over time LIBS mode			10.4V±0.2V 20.8V±0.2V 41.6V±0.4V					±0.4V	83.2V±0.5V	104V±0.5V	
Change over time UPS mode Change over time WUPS mode		< 10msec < 4msec < 25msec									
					٠ 2.	Jilisec					
PROTECTIONS Overload in backup mode		Yes provided, system will indicate on display at 101% load									
				Ye	s provided.	system will in	ndicate on dis	splav at 101%	load		
Overload in backup mode Short Circuit in Backup Mode								splay at 101% of output sh			
Overload in backup mode		M	ains Fuse will	System			etries in case		ort circuit		
Overload in backup mode Short Circuit in Backup Mode		M	ains Fuse will	System I blown	will shutdov	vn after 3 - ro	etries in case N	of output sh	ort circuit Il trip		
Overload in backup mode Short Circuit in Backup Mode Short Circuit in Mains Mode		M		System blown Syste	will shutdov	wn after 3 - re	etries in case N of back feed	of output sh Mains MCB wi	ort circuit Il trip no retry n will shut do		
Overload in backup mode Short Circuit in Backup Mode Short Circuit in Mains Mode Back feed Over temperature Reverse Battery				System I blown Syste Yes provided,	will shutdov	vn after 3 - ro lown in case temperature	etries in case N of back feed goes above	of output sh Nains MCB wi and there is a 100°C System	ort circuit Il trip no retry n will shut do	own CB will trip	
Overload in backup mode Short Circuit in Backup Mode Short Circuit in Mains Mode Back feed Over temperature Reverse Battery Phase to Phase protection in main	ns mode			System I blown Syste Yes provided,	will shutdov	vn after 3 - ro lown in case temperature	etries in case N of back feed	of output sh Nains MCB wi and there is a 100°C System	ort circuit Il trip no retry n will shut do		
Overload in backup mode Short Circuit in Backup Mode Short Circuit in Mains Mode Back feed Over temperature Reverse Battery Phase to Phase protection in main SOLAR CHARGE CONTROLLER	ns mode			System I blown Syste Yes provided,	will shutdov	own after 3 - ro own in case temperature Yes provide	etries in case N of back feed goes above d by electron	of output sh Nains MCB wi and there is a 100°C System	ort circuit Il trip no retry n will shut do		
Overload in backup mode Short Circuit in Backup Mode Short Circuit in Mains Mode Back feed Over temperature Reverse Battery Phase to Phase protection in main SOLAR CHARGE CONTROLLER Solar Charge Controller type			DC fuse will b	System I blown Syste Yes provided, Ilown	will shutdov m will shutd if heat sink	lown in case temperature Yes provide	etries in case N of back feed e goes above ed by electron M type	e of output sh Mains MCB wi and there is I 100°C System nic	ort circuit Il trip no retry I will shut do Battery M	CB will trip	00000
Overload in backup mode Short Circuit in Backup Mode Short Circuit in Mains Mode Back feed Over temperature Reverse Battery Phase to Phase protection in main SOLAR CHARGE CONTROLLER Solar Charge Controller type Max Panel wattage can be connected		80	DC fuse will b	System blown Syste Yes provided, lown	m will shutdown will shutdown if heat sink	own after 3 - ro lown in case temperature Yes provide PW 240	of back feed e goes above M type 1000 1	of output sh Aains MCB wi and there is a 100°C System nic	ort circuit Il trip no retry n will shut do Battery M	CB will trip	8000W
Overload in backup mode Short Circuit in Backup Mode Short Circuit in Mains Mode Back feed Over temperature Reverse Battery Phase to Phase protection in main SOLAR CHARGE CONTROLLER Solar Charge Controller type Max Panel wattage can be connect Max PV current		80	DC fuse will b	System I blown Syste Yes provided, Ilown	will shutdov m will shutd if heat sink	own after 3 - relown in case temperature Yes provide PW 240 70	etries in case N of back feed goes above d by electron M type DOW	e of output sh Mains MCB wi and there is I 100°C System nic	ort circuit Il trip no retry I will shut do Battery M	CB will trip	8000W 50A
Overload in backup mode Short Circuit in Backup Mode Short Circuit in Mains Mode Back feed Over temperature Reverse Battery Phase to Phase protection in main SOLAR CHARGE CONTROLLER Solar Charge Controller type Max Panel wattage can be connected		80	DC fuse will b	System blown Syste Yes provided, lown	m will shutdown will shutdown if heat sink	own in case temperature Yes provide PW 240 70 Yes	of back feed e goes above d by electron M type DOW OA provided	of output sh Aains MCB wi and there is a 100°C System nic	ort circuit Il trip no retry n will shut do Battery M	CB will trip	
Overload in backup mode Short Circuit in Backup Mode Short Circuit in Mains Mode Back feed Over temperature Reverse Battery Phase to Phase protection in main SOLAR CHARGE CONTROLLER Solar Charge Controller type Max Panel wattage can be connect Max PV current Reverse PV protection	ted	80	DC fuse will b	System Syste Yes provided, lown 1200W 70A	m will shutdov m will shutd if heat sink 1800W 50A	own after 3 - relown in case temperature Yes provide PW 240 70 Yes p	of back feed geography of back feed geography of by electron M type oow oA provided provided	of output sh Aains MCB wi and there is a 100°C System nic	ort circuit Il trip no retry i will shut do Battery M 4500W 70A	6500W 650A	50A
Overload in backup mode Short Circuit in Backup Mode Short Circuit in Mains Mode Back feed Over temperature Reverse Battery Phase to Phase protection in main SOLAR CHARGE CONTROLLER Solar Charge Controller type Max Panel wattage can be connect Max PV current Reverse PV protection Reverse current flow to PV	ited irid Both are available	80 4r	DC fuse will b OW OA	System I blown Syste Yes provided, Ilown 1200W 70A	m will shutdow m will shutdow if heat sink 1800W 50A	yes provide PW 24(77 Yes provide)	etries in case N of back feed e goes above ed by electron M type DOW DA provided provided prystem will	of output sh Aains MCB wi and there is a 100°C System ic 3000W 50A	ort circuit Il trip no retry n will shut do Battery M 4500W 70A	6500W 650A	50A / and grid.
Overload in backup mode Short Circuit in Backup Mode Short Circuit in Mains Mode Back feed Over temperature Reverse Battery Phase to Phase protection in main SOLAR CHARGE CONTROLLER Solar Charge Controller type Max Panel wattage can be connect Max PV current Reverse PV protection Reverse current flow to PV Sharing of current when PV and Gi	ited irid Both are available ty	80 4r	DC fuse will b OW OA Ower is not so ded, user can	System Syste Yes provided, Ilown 1200W 70A ufficient enouses priority for	m will shutdov m will shutdov if heat sink 1800W 50A	yes provide PW 240 70 Yes provide 240 70 Yes provide 40 Yes provide 40 Yes provide 40 Yes provide	etries in case N of back feed e goes above If the control of the	of output sh Aains MCB wi and there is a 100°C System Inic 3000W 50A start sharing	ort circuit Il trip no retry n will shut do Battery M 4500W 70A battery chai	6500W 50A rging from P\	50A / and grid.
Overload in backup mode Short Circuit in Backup Mode Short Circuit in Mains Mode Back feed Over temperature Reverse Battery Phase to Phase protection in main SOLAR CHARGE CONTROLLER Solar Charge Controller type Max Panel wattage can be connect Max PV current Reverse PV protection Reverse current flow to PV Sharing of current when PV and GI Option for Grid and Battery priorit DOD definition (Depth of Discharge)	cited irid Both are available ty) f battery voltage is	80 4r	DC fuse will b OW OA Ower is not so ded, user can	System Syste Syst Syste Syste Syste Syste Syst Syst Syst Syst Syst Syst Syst Syst	m will shutdov m will shutdov if heat sink 1800W 50A	vivia after 3 - re lown in case temperature Yes provide PW 240 70 Yes Yes te the battery rid. Hence use attery voltage 25.0V±0.2V	etries in case N of back feed e goes above If the control of the	of output sh Aains MCB wi and there is a 100°C System nic 3000W 50A start sharing em in electricitied value of th	ort circuit Il trip no retry will shut do Battery M 4500W 70A battery chain y bill saving. ne battery vo	6500W 50A rging from P\ N itage.	50A / and grid. A 125V±0.2V
Overload in backup mode Short Circuit in Backup Mode Short Circuit in Mains Mode Back feed Over temperature Reverse Battery Phase to Phase protection in main SOLAR CHARGE CONTROLLER Solar Charge Controller type Max Panel wattage can be connect Max PV current Reverse PV protection Reverse eurrent flow to PV Sharing of current when PV and Gi Option for Grid and Battery priorit DOD definition (Depth of Discharge) DOD 20% - if DOD	cited firid Both are available ty) f battery voltage is f battery voltage is	80 4r	DC fuse will b OW OA Ower is not so ded, user can	System System Syste Yes provided, Ilown 1200W 70A ufficient enouset priority for swill be contained by the	m will shutdov m will shutdov if heat sink 1800W 50A	wn after 3 - re lown in case temperature Yes provide PW 24(7/ Yes Yes e the battery rid. Hence use ttery voltage 25.0V±0.2V 24.0V±0.2V	etries in case N of back feed e goes above If the control of the	of output sh Aains MCB wi and there is a 100°C System ic 3000W 50A start sharing m in electricity ed value of th 50.0V 48.0V	ort circuit Il trip no retry will shut do Battery M 4500W 70A battery chai y bill saving. ne battery vo ±0.2V	6500W 50A rging from PN Ntage. 100V±0.2V 96V±0.2V	50A / and grid. A 125V±0.2V 120V±0.2V
Overload in backup mode Short Circuit in Backup Mode Short Circuit in Mains Mode Back feed Over temperature Reverse Battery Phase to Phase protection in main SOLAR CHARGE CONTROLLER Solar Charge Controller type Max Panel wattage can be connect Max PV current Reverse PV protection Reverse current flow to PV Sharing of current when PV and Gr Option for Grid and Battery priorit DOD definition (Depth of Discharge) DOD (Depth of Discharge) 20% - if DOD (Depth of Discharge)	cited frid Both are available ty) f battery voltage is f battery voltage is f battery voltage is	80 4r	DC fuse will b OW OA Ower is not so ded, user can	System System Syste Yes provided, Ilown 1200W 70A ufficient enouset priority for set will be contained by 12.5V±0.2V 12.0V±0.2V 11.5V±0.2V	m will shutdov m will shutdov if heat sink 1800W 50A	wn after 3 - re lown in case temperature Yes provide PW 24(7/ Yes p e the battery rid. Hence use tettery voltage 25.0V±0.2V 24.0V±0.2V 23.0V±0.2V	etries in case N of back feed e goes above If the control of the	of output sh Aains MCB wi and there is a 100°C System ic 3000W 50A start sharing em in electricity and value of th 50.0V 48.0V 46.0V	ort circuit Il trip no retry n will shut do Battery M 4500W 70A battery chai y bill saving. ne battery vo ±0.2V ±0.2V	6500W 50A rging from P\ ntage. 100V±0.2V 96V±0.2V 92V±0.2V	50A / and grid. A 125V±0.2V 120V±0.2V 115V±0.2V
Overload in backup mode Short Circuit in Backup Mode Short Circuit in Mains Mode Back feed Over temperature Reverse Battery Phase to Phase protection in main SOLAR CHARGE CONTROLLER Solar Charge Controller type Max Panel wattage can be connect Max PV current Reverse PV protection Reverse current flow to PV Sharing of current when PV and Gr Option for Grid and Battery priorit DOD definition (Depth of Discharge) DOD (Depth of Discharge) 20% - if DOD (Depth of Discharge)	cited firid Both are available ty) f battery voltage is f battery voltage is	80 4r	DC fuse will b OW OA Ower is not so ded, user can	System System Syste Yes provided, Ilown 1200W 70A ufficient enouset priority for ins will be continued by 12.5V±0.2V 11.5V±0.2V 11.0V±0.2V	m will shutdow m will shutdow if heat sink 1800W 50A ugh to charge Battery or G nect when ba	yes provide PW 240 77 Yes pto battery rid. Hence use ttery voltage 25.0V±0.2V 22.0V±0.2V	etries in case N of back feed e goes above If the control of the	of output sh Aains MCB wi and there is a 100°C System ic 3000W 50A start sharing m in electricity ed value of th 50.0V 48.0V	ort circuit Il trip no retry n will shut do Battery M 4500W 70A battery chai y bill saving. ne battery vo ±0.2V ±0.2V	6500W 50A rging from PN Ntage. 100V±0.2V 96V±0.2V	50A / and grid. A 125V±0.2V 120V±0.2V
Overload in backup mode Short Circuit in Backup Mode Short Circuit in Mains Mode Back feed Over temperature Reverse Battery Phase to Phase protection in main SOLAR CHARGE CONTROLLER Solar Charge Controller type Max Panel wattage can be connect Max PV current Reverse PV protection Reverse current flow to PV Sharing of current when PV and Gr Option for Grid and Battery priorit DOD definition (Depth of Discharge) DOD (Depth of Discharge) 20% - if DOD (Depth of Discharge)	cited frid Both are available ty) f battery voltage is f battery voltage is f battery voltage is	80 4r	DC fuse will b OW OA Ower is not so ded, user can	System System Syste Yes provided, Ilown 1200W 70A ufficient enouset priority for ns will be continued to 12.5V±0.2V 11.5V±0.2V 11.5V±0.2V Solar>>Gri	m will shutdov m will shutdov if heat sink 1800W 50A	vm after 3 - re lown in case temperature Yes provide PW 24C 7/ Yes Yes te the battery rid. Hence use sittery voltage 25.0V±0.2V 24.0V±0.2V 22.0V±0.2V 25.0x=>8at Grid>>Solar>>Bat Grid>>Sola	etries in case N of back feed e goes above In type ON OA porovided orovided or can set syste reach at defin	of output sh Aains MCB wi and there is a 100°C System ic 3000W 50A start sharing em in electricity and value of th 50.0V 48.0V 46.0V	ort circuit Il trip no retry n will shut do Battery M 4500W 70A battery chai y bill saving. ne battery vo ±0.2V ±0.2V	6500W 50A rging from P\ ntage. 100V±0.2V 96V±0.2V 92V±0.2V	50A / and grid. A 125V±0.2V 120V±0.2V 115V±0.2V
Overload in backup mode Short Circuit in Backup Mode Short Circuit in Mains Mode Back feed Over temperature Reverse Battery Phase to Phase protection in main SOLAR CHARGE CONTROLLER Solar Charge Controller type Max Panel wattage can be connect Max PV current Reverse PV protection Reverse current flow to PV Sharing of current when PV and Gr Option for Grid and Battery priorit DOD definition (Depth of Discharge) DOD (Depth of Discharge) Mode Selection	cited firid Both are available ty) f battery voltage is	80 4r	DC fuse will b OW OA Ower is not so ded, user can	System System Syste Yes provided, Ilown 1200W 70A ufficient enouset priority for ns will be continued to 12.5V±0.2V 11.5V±0.2V 11.5V±0.2V Solar>>Gri	m will shutdow m will shutdow if heat sink 1800W 50A ugh to charger Battery or Greet when ba	vm after 3 - re lown in case temperature Yes provide PW 24C 7/ Yes Yes te the battery rid. Hence use sittery voltage 25.0V±0.2V 24.0V±0.2V 22.0V±0.2V 25.0x=>8at Grid>>Solar>>Bat Grid>>Sola	etries in case N of back feed e goes above ed by electron M type OOW OOA provided provided r, system will er can set syste reach at defin	of output sh Aains MCB wi and there is a 100°C System ic 3000W 50A start sharing em in electricity and value of th 50.0V 48.0V 46.0V	ort circuit Il trip no retry n will shut do Battery M 4500W 70A battery chai y bill saving. ne battery vo ±0.2V ±0.2V	6500W 50A rging from P\ ntage. 100V±0.2V 96V±0.2V 92V±0.2V	50A / and grid. A 125V±0.2V 120V±0.2V 115V±0.2V
Overload in backup mode Short Circuit in Backup Mode Short Circuit in Mains Mode Back feed Over temperature Reverse Battery Phase to Phase protection in main SOLAR CHARGE CONTROLLER Solar Charge Controller type Max Panel wattage can be connect Max PV current Reverse PV protection Reverse current flow to PV Sharing of current when PV and Gi Option for Grid and Battery priorit DOD definition (Depth of Discharge) DOD (Depth of Discharge) 20% - if 50% - if	cited firid Both are available ty) f battery voltage is	80 4r	DC fuse will b OW OA Ower is not so ded, user can	System System Syste Yes provided, Ilown 1200W 70A ufficient enouset priority for ns will be continued to 12.5V±0.2V 11.5V±0.2V 11.5V±0.2V Solar>>Gri	m will shutdow m will shutdow if heat sink 1800W 50A ugh to charger Battery or Greet when ba	yes provide PW 24(77 Yes provide e the battery rid. Hence use ttery voltage 25.0V±0.2V 24.0V±0.2V 23.0V±0.2V 30lar>>Bat Grid>>Solar>>Gri	etries in case N of back feed e goes above In type ON OA porovided orovided or can set syste reach at defin	of output sh Aains MCB wi and there is a 100°C System ic 3000W 50A start sharing em in electricity and value of th 50.0V 48.0V 46.0V	ort circuit Il trip no retry n will shut do Battery M 4500W 70A battery chai y bill saving. ne battery vo ±0.2V ±0.2V	6500W 50A rging from P\ ntage. 100V±0.2V 96V±0.2V 92V±0.2V	50A / and grid. A 125V±0.2V 120V±0.2V 115V±0.2V
Overload in backup mode Short Circuit in Backup Mode Short Circuit in Mains Mode Back feed Over temperature Reverse Battery Phase to Phase protection in main SOLAR CHARGE CONTROLLER Solar Charge Controller type Max Panel wattage can be connect Max PV current Reverse PV protection Reverse current flow to PV Sharing of current when PV and Gi Option for Grid and Battery priorit DOD definition (Depth of Discharge) DOD (Depth of Discharge) 20% - if 50% - if Mode Selection BATTERY CHARGING CURRENT B' 30% battery will charged with 40% battery will charged with	cited firid Both are available ty) f battery voltage is	80 4r	DC fuse will b OW OA Ower is not so ded, user can	System System Syste Yes provided, Ilown 1200W 70A ufficient enouset priority for ns will be continued to 12.5V±0.2V 11.5V±0.2V 11.5V±0.2V Solar>>Gri	m will shutdow m will shutdow if heat sink 1800W 50A ugh to charger Battery or Greet when ba	yes provided Yes provided PW 240 70 Yes e the battery rid. Hence use the settery voltage 25.0V±0.2V 24.0V±0.2V 22.0V±0.2V 25.0d=>Solar>>Bat Grid>Solar>>Grid>Solar>Amp. 30Amp.	of back feed a goes above and by electron by OOW OOA provided provided a system will ar can set syste reach at defin attery>>Grid ar>>Battery d>>Battery d 3Amp. ± 3Amp.	of output sh Aains MCB wi and there is a 100°C System ic 3000W 50A start sharing em in electricity and value of th 50.0V 48.0V 46.0V	ort circuit Il trip no retry n will shut do Battery M 4500W 70A battery chai y bill saving. ne battery vo ±0.2V ±0.2V	6500W 50A rging from P\ ntage. 100V±0.2V 96V±0.2V 92V±0.2V	50A / and grid. A 125V±0.2V 120V±0.2V 115V±0.2V
Overload in backup mode Short Circuit in Backup Mode Short Circuit in Mains Mode Back feed Over temperature Reverse Battery Phase to Phase protection in main SOLAR CHARGE CONTROLLER Solar Charge Controller type Max Panel wattage can be connect Max PV current Reverse PV protection Reverse PV protection Reverse current flow to PV Sharing of current when PV and GI Option for Grid and Battery priorit DOD definition (Depth of Discharge) 20% - if DOD 30% - if (Depth of Discharge) 40% - if 50% - if Mode Selection BATTERY CHARGING CURRENT B' 30% battery will charged with 40% battery will charged with 50% battery will charged with	cited firid Both are available ty) f battery voltage is	80 4r	DC fuse will b OW OA Ower is not so ded, user can	System System Syste Yes provided, Ilown 1200W 70A ufficient enouset priority for ns will be continued to 12.5V±0.2V 11.5V±0.2V 11.5V±0.2V Solar>>Gri	m will shutdow m will shutdow if heat sink 1800W 50A ugh to charger Battery or Greet when ba	yes provided PW 240 70 Yes provided 240 70 Yes provided e the battery rid. Hence use attery voltage 25.0V±0.2V 24.0V±0.2V 22.0V±0.2V Solar>>Battery oltage Solar>>Grid>>Solar 30Amp. 40Amp.	etries in case N of back feed e goes above ed by electron M type OOW OA provided provided r system will er can set syste reach at defin ettery>>Grid etry>>Battery d>>Battery d>>Battery ± 3Amp. ± 3Amp.	of output sh Aains MCB wi and there is a 100°C System ic 3000W 50A start sharing em in electricity and value of th 50.0V 48.0V 46.0V	ort circuit Il trip no retry n will shut do Battery M 4500W 70A battery chai y bill saving. ne battery vo ±0.2V ±0.2V	6500W 50A rging from P\ ntage. 100V±0.2V 96V±0.2V 92V±0.2V	50A / and grid. A 125V±0.2V 120V±0.2V 115V±0.2V
Overload in backup mode Short Circuit in Backup Mode Short Circuit in Mains Mode Back feed Over temperature Reverse Battery Phase to Phase protection in main SOLAR CHARGE CONTROLLER Solar Charge Controller type Max Panel wattage can be connect Max PV current Reverse PV protection Reverse current flow to PV Sharing of current when PV and GI Option for Grid and Battery priorit DOD definition (Depth of Discharge) DOD (Depth of Discharge) 20% - if DOD (30% - if 50% - if Mode Selection BATTERY CHARGING CURRENT B' 30% battery will charged with 50% battery will charged with 100% battery will charged with	cited firid Both are available ty) f battery voltage is	80 4r	DC fuse will b OW OA Ower is not so ded, user can	System System Syste Yes provided, Ilown 1200W 70A ufficient enouset priority for ns will be continued to 12.5V±0.2V 11.5V±0.2V 11.5V±0.2V Solar>>Gri	m will shutdow m will shutdow if heat sink 1800W 50A ugh to charger Battery or Greet when ba	yes provided PW 240 70 Yes provided 240 70 Yes provided e the battery rid. Hence use attery voltage 25.0V±0.2V 24.0V±0.2V 22.0V±0.2V Solar>>Battery oltage Solar>>Grid>>Solar 30Amp. 40Amp.	of back feed a goes above and by electron by OOW OOA provided provided a system will ar can set syste reach at defin attery>>Grid ar>>Battery d>>Battery d 3Amp. ± 3Amp.	of output sh Aains MCB wi and there is a 100°C System ic 3000W 50A start sharing em in electricity and value of th 50.0V 48.0V 46.0V	ort circuit Il trip no retry n will shut do Battery M 4500W 70A battery chai y bill saving. ne battery vo ±0.2V ±0.2V	6500W 50A rging from P\ ntage. 100V±0.2V 96V±0.2V 92V±0.2V	50A / and grid. A 125V±0.2V 120V±0.2V 115V±0.2V
Overload in backup mode Short Circuit in Backup Mode Short Circuit in Mains Mode Back feed Over temperature Reverse Battery Phase to Phase protection in main SOLAR CHARGE CONTROLLER Solar Charge Controller type Max Panel wattage can be connect Max PV current Reverse PV protection Reverse PV protection Reverse current flow to PV Sharing of current when PV and GI Option for Grid and Battery priorit DOD definition (Depth of Discharge) 20% - if DOD 30% - if (Depth of Discharge) 40% - if 50% - if Mode Selection BATTERY CHARGING CURRENT B' 30% battery will charged with 40% battery will charged with 50% battery will charged with	cited firid Both are available ty) f battery voltage is	80 4r	DC fuse will b OW OA Ower is not so ded, user can	System System Syste Yes provided, Ilown 1200W 70A ufficient enouset priority for swill be contained by 12.5v±0.2v 11.5v±0.2v 11.5v±0.2v Solar>>Grisolar>>Bat	m will shutdow m will shutdow if heat sink 1800W 50A ugh to charge Battery or G nect when ba	yes provide PW 240 70 Yes provide PW 240 70 Yes e the battery rid. Hence use littery voltage 25.0V±0.2V 23.0V±0.2V 22.0V±0.2V 30lar>>Bat Grid>>Solar>Solar 20Amp 30Amp 40Amp 70Amp	etries in case N of back feed e goes above ed by electron M type DOW DA provided provided r, system will er can set syste reach at defin ettery>>Grid ettery>>Battery d>>Battery	of output sh Aains MCB wi and there is a 100°C System nic 3000W 50A start sharing em in electricity ed value of th 50.0V 48.0V 46.0V 44.0V	ort circuit Il trip no retry n will shut do Battery M 4500W 70A battery chai y bill saving. ne battery vo ±0.2V ±0.2V ±0.2V	6500W 50A rging from P\ ntage. 100V±0.2V 96V±0.2V 92V±0.2V	50A / and grid. A 125V±0.2V 120V±0.2V 115V±0.2V
Overload in backup mode Short Circuit in Backup Mode Short Circuit in Mains Mode Back feed Over temperature Reverse Battery Phase to Phase protection in main SOLAR CHARGE CONTROLLER Solar Charge Controller type Max Panel wattage can be connect Max PV current Reverse PV protection Reverse current flow to PV Sharing of current when PV and GI Option for Grid and Battery priorit DOD definition (Depth of Discharge) DOD (Depth of Discharge) 20% - if DOD (30% - if 50% - if Mode Selection BATTERY CHARGING CURRENT B' 30% battery will charged with 50% battery will charged with 100% battery will charged with	cited firid Both are available ty) f battery voltage is	80 4i If PV pc Yes, provi	DC fuse will b OW OA Dewer is not si ded, user can Mai	System System Syste Yes provided, Ilown 1200W 70A ufficient enouset priority for swill be consisted by 12.5V±0.2V 12.5V±0.2V 11.5V±0.2V Solar>>Bat Messages	m will shutdown will shutdown will shutdown will shutdown if heat sink 1800W 50A ugh to charger Battery or Gract when battery when battery with the shutdown will be shutdown with the shutdo	vm after 3 - re lown in case temperature Yes provide PW 24C 76 Yes Yes te the battery rid. Hence use stery voltage 25.0V±0.2V 22.0V±0.2V 22.0V±0.2V 23.0V±0.2V 20.0x±0.2V 20	etries in case N of back feed e goes above In type OOW OOA porovided provided reach at defin Itery>>Grid rr>>Battery d>>Battery d>>Battery ± 3Amp. ± 3Amp. ± 3Amp.	of output sh Aains MCB wi and there is a 100°C System inc 3000W 50A start sharing m in electricity and value of th 50.0V 48.0V 44.0V	ort circuit Il trip no retry n will shut do Battery M 4500W 70A battery chai y bill saving. ne battery vo ±0.2V ±0.2V ±0.2V ±0.2V	6500W 50A rging from PN ttage. 100V±0.2V 96V±0.2V 92V±0.2V 88V±0.2V	50A / and grid. A 125V±0.2V 120V±0.2V 115V±0.2V 110V±0.2V
Overload in backup mode Short Circuit in Backup Mode Short Circuit in Mains Mode Back feed Over temperature Reverse Battery Phase to Phase protection in main SOLAR CHARGE CONTROLLER Solar Charge Controller type Max Panel wattage can be connect Max PV current Reverse PV protection Reverse current flow to PV Sharing of current when PV and GI Option for Grid and Battery priorit DOD definition (Depth of Discharge) DOD (Depth of Discharge) 20% - if DOD (30% - if 50% - if Mode Selection BATTERY CHARGING CURRENT B' 30% battery will charged with 50% battery will charged with 100% battery will charged with	cited firid Both are available ty) f battery voltage is	80 40 If PV po Yes, provi	DC fuse will b OW OA ower is not si ded, user can Mai	System System Syste Yes provided, Illown 1200W 70A ufficient enouset priority for swill be contiled. 12.5V±0.2V 11.5V±0.2V 11.0V±0.2V Solar>>Battery Volt Messages / Battery Volt	m will shutdow m will shutdow if heat sink 1800W 50A ugh to charge Battery or Genect when bate d>>Battery ttery>>Grid	yes provide PW 24(77 Yes provide Pw 24(40- 40- 40- 25.0V±0.2V 23.0V±0.2V 20.0V±0.2V 20.0V±0.2V 30.0Pm 30Amp 30Amp 40Amp 70Amp	of back feed a goes above and by electron of the back feed a goes above and by electron of the back feed around a goes above or	of output sh Aains MCB wi and there is a 100°C System nic 3000W 50A start sharing em in electricity ed value of th 50.0V 48.0V 46.0V 44.0V	ort circuit Il trip no retry n will shut do Battery M 4500W 70A battery chai y bill saving. ne battery vo ±0.2V ±0.2V ±0.2V ±0.2V	6500W 50A rging from P\ N Itage. 100V±0.2V 96V±0.2V 92V±0.2V 88V±0.2V	50A / and grid. A 125V±0.2V 120V±0.2V 115V±0.2V 110V±0.2V

Mains Disconnected, Connected Selection

If solar is available battery reaches float voltage after <5 min. mains will be disconnected, when mains is connected battery voltage reaches permitted DOD voltage and solar power not available.

NOTE: This Condition is not applicable for Grid >> Solar >> Battery Condition.

LCD Display