MPPT Solar Controller

Key Features

◆.Aluminum case and excellent heat dispersion
◆.The creative maximum power is tracking, can improve the solar system
◆.The tracking rate of maximum power is ≥99%
◆.Have charging model and working mode LED indicator light
◆.English and Chinese LCD display;
◆.Query log: malfunction
◆.Adopt all the materials are famous brand, the high temperature resistance is ≥105℃, and the design life

Protection

◆.Avoid PV array short circuit, over voltage, over discharge and converse connection
◆.Avoid discharge, overdischarge and converse connection
◆.Avoid overloading, short circuit and over heat

Parameter

Model		TYC-20A-M	TYC-30A-M	TYC-40A-M	TYC-50A-M	TYC-60A-M
Rated system voltage		12/24/48V				
Rated battery current		20A	30A	40A	50A	60A
Rated loading current		20A	30A	40A	50A	60A
Indentify range of battery voltage		12V(9-15V)				
		24V(18-28V)				
		48V(42-60V)				
MPPT working voltage and range		12/24V (DC14V~DC100V ； DC30V~DC100V);				
		24/48V(DC30V~DC150V；DC60V~DC150V)				
The maximum PV battery input power	12V	276W	414W	552W	690W	828W
	24V	552W	828W	1104W	1380W	1656W
	48V	1104W	1656W	2208W	2760W	3312W
Balance voltage		14.6V*N				
Voltage upgraded		lead-acid batteries 14.4V*N /Gel battery 14.2V*N				
Float charge voltage		13.8V*N				
Disconnect low voltage and restore		12.6V*N				
Disconnect low voltage		11.1V*N				
Static power		≤3W				
Grounding type		Cathode grounding				
Temperature compensation		-3mV℃/2V				
Temperature protection		85℃				
Working temperature		-20℃到 +55℃				
Humidity		0~90%RH (not condensation)				
Elevation		0~3000m				
Security level		CE、PSE、FCC、EMC				
Machine protection grade		IP21				
Color		Gold（can custom)				

※Above please reference: the working environment is under 25℃, the system data is 12V, voltsge=24V/36V/48V (N is