

6 Specification Parameters

Models	80A	100A
Solar Input Specification		
Maximum Input Power:		
For 12V System	960W	1200W
For 24V System	1920W	2400W
For 36V System	2880W	3600W
For 48V System	3840W	4800W
Input Voltage Range:		
For 12V System	20V~80V	
For 24V System	37V~105V	
For 36V System	50V~160V	
For 48V System	72V~160V	
Battery Charging Specification		
Charging Technology	MPPT	
Charging Algorithm	3 Stages	
Nominal System Voltage	12V/24V/36V/48V	
Battery Voltage Range	9~60V	
Rated Charging Current	80A	100A
Maximum Efficiency	≤98%	
MPPT Efficiency	>99%	
Temperature Compensation	-3mV/°C/2V (default)	
Self-Consumption	44mA/12V; 26mA/24V; 18mA/36V; 12mA/48V	
Environment Specification		
Operating Temperature Range	-35°C~+45°C	
Humidity Range	≤95%, Non-condensing	
Altitude	<3000m	
General Specification		
Protection Level	IP32	
Dimensions	260x180x75mm	315x195x80mm
Net Weight	2kg	2.7kg