

MPPT Series		Huimin Series		Enhanced Series							Super Series	
MPPT Model		BDH-40A	BDH-60A	BDH-30A	BDH-40A	BDH-50A	BDH-60A	BDH-70A	BDH-80A	BDH-110A	BDH-120A	BDC-100A
Rated maximum charging current		40A	60A	30A	40A	50A	60A	70A	80A	110A	120A	100A
Photovoltaic array maximum power	DC-12V System	480W	720W	360W	480W	690W	828W	996W	1104W	1200W	1440W	-
	DC-24V System	960W	1440W	720W	960W	1380W	1656W	1932W	2208W	2400W	2880W	-
	DC-36V System	1440W	2160W	1080W	1440W	2070W	2484W	2890W	3312W	3600W	4320W	-
	DC-48V System	1920W	2880W	1440W	1920W	2760W	3312W	3864W	4416W	4800W	5760W	4800W
	DC-60V System	-	-	1800W	2400W	3450W	4140W	4830W	5520W	6000W	7200W	6000W
	DC-72V System	-	-	2160W	2880W	4140W	4968W	5796W	6624W	7200W	8640W	7200W
	DC-84V System	-	-	2520W	3360W	4830W	5796W	6762W	7728W	8400W	10080W	8400W
	DC-96V System	-	-	2880W	3840W	5520W	6624W	7728W	8832W	9600W	11520W	9600W
Battery Type	Lead-acid batteries	12V/24V/36V/48V (Automatic Identification)		(12V/24V/36V/48V/96V Automatic Identification)+(12V/24V/36V/48V/60V/72V/84V/96V Adjustable)							8V/60V/72V/84V/96V Adjustable	
	Gel battery	12V/24V/36V/48V Adjustable		12V/24V/36V/48V/60V/72V/84V/96V Adjustable							48V/60V/72V/84V/96V Adjustable	
	Lithium Iron Phosphate	Cell voltage 3.2V*number of strings (2-20 strings)		Cell voltage 3.2V*number of strings (2-45 strings)							Cell voltage 3.2V*number of strings (14-40 strings)	
	Sanyuan Coal and Electricity	Cell voltage 3.7V*number of strings (2-20 strings)		Cell voltage 3.7V*number of strings (2-45 strings)							Cell voltage 3.7V*number of strings (14-40 strings)	
	customize	Equalizing charge, float charge, DC discharge limit voltage adjustable: 0-60V		Equalizing charge, float charge, DC discharge voltage is adjustable: 8-170V							Equalizing charge, float charge, DC discharge limit voltage adjustable: 30-120V	
		180V		230V							480V	
Photovoltaic minimum operating input voltage		Greater than the battery pack charging voltage +6V or more										
Charging mode		MPPT automatically tracks maximum power										
charging method		MPPT tracks maximum power, fast charge, balanced charge, and float charge										
With lithium battery activation function		With photovoltaic input, there is charging voltage (activating lithium battery) and DC output is available without battery.										
Photovoltaic minimum starting voltage		The photovoltaic voltage is +3V higher than the battery voltage (low current charging can also be done on rainy days)										
Photovoltaic charging current is adjustable		0-40A	0-60A	0-30A	0-40A	0-50A	0-60A	0-70A	0-80A	0-100A	0-120A	0-100A
DC output (street light function)		0-20A	0-20A	0-20A	0-20A	0-20A	0-60A	0-60A	0-60A	0-60A	0-60A	0-60A
Temperature compensation		Automatically compensate charging voltage and current according to battery temperature to extend electromagnetic life										
LCD touch buttons		LCD display: power generation, photovoltaic voltage, battery voltage, charging current, power generation, operating status)										
		Settings: battery type, charging current, restore factory settings, Chinese and English display										
DC output voltage		Limit with battery pack voltage										
DC output settings		Close, automatic, light control, time control										
WIFI Internet of Things		WIFI monitoring module (plugged into RS485 interface)										
485 Communication		8-pin RS485 communication interface (running status and settings can be queried)										
Working Temperature		-10 C ~45 C										
Static Power		≈2W										
Overall machine efficiency		≈99%										
temperature protection		85 C										
Temperature rise protection		Reduce power output above 80 C										
Protective function		Photovoltaic array short circuit, overvoltage, overcurrent reverse connection protection, battery overcharge, reverse connection protection, undervoltage protection										
Temperature		0~90%RH(Will not frost)										
Machine protection level		IP21										
Altitude		0~3000m										
Machine size(L*W*Hmm)		215*202*100mm			215*202*100mm			265*218*100mm			330*280*150mm	
Package Size(L*W*Hmm)		265*224*120mm			265*224*120mm			315*240*120mm			433*380*235mm	
net weight(kg)		1.95kg			1.95kg			2.6kg			7.5kg	
gross weight(kg)		2.2kg			2.2kg			2.9kg			9.5kg	