

- 1 The tracking efficiency is as high as 99.5%.
- 2 Self-cooling, protection grade IP42.
- 3 Exquisite design, one-key setting and simple operation.
- 4 Four-stage charging to prolong battery life.



## QUALITY EXCELLENCE

pursuit of perfection



## FASHION • APPEARANCE



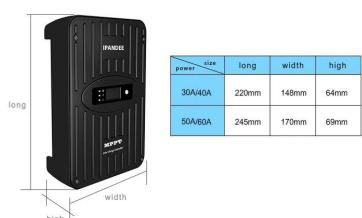
## SIMPLE OPERATION SCREEN

96V/192V/216V/240V/384V/ 50A~100A



Product color and some functions can be customized.  
We provide customized solutions

## PRODUCT DIMENSIONS AND WIRING



Explorer - NS Series	NS24L30	NS24L40	NS24H50	NS24H60	NS48H20	NS48H30				
MPPT efficiency			99.50%							
Standby power			1.6W~1.8W							
Heat-Dissipating method			All aluminum alloy shell self-heating							
Settable lithium-ion battery system			8VDC~30VDC							
<b>Input Characteristics</b>										
Max.PV input voltage(Voc)	100VDC		150VDC							
Min.Vmpp Voltage	Battery voltage + 2V									
Start-up charging voltage	Battery voltage + 3V									
Low input voltage protection	Battery voltage + 2V									
Over voltage protection / Recovery	100VDC/95VDC		150VDC/145VDC		150VDC/145VDC					
Rated PV Power	12V system	420W	560W	700W	840W	280W	420W			
	24V system	840W	1120W	1400W	1680W	560W	840W			
	36V system	—	—	—	—	840W	1260W			
	48V system	—	—	—	—	1120W	1680W			
	Li-ion	432W~864W	576W~1152W	720W~1440W	864W~1728W	292W~1168W	432W~1728W			
<b>Charge Characteristics</b>										
Activation for lithium battery	Standard									
	"Sealed(SEL),Gel(GEL),Flooded(FLD),User-defined(USER) AGM, LiFePO4 (4 Strings / 7 Strings / 8 strings), Ternary lithium battery (3 Strings / 6 strings / 7 strings), Custom lithium ion battery (Lit)"									
Battery types	"Lithium iron phosphate battery (4 string / 7 string / 8 string), Ternary lithium battery (3 string / 6 string / 7 string), Custom Lithium-ion Battery (Lit)"			"Lithium iron phosphate battery (4 / 7 / 8 / 10 / 15 / 16 string), Ternary lithium battery (3 / 6 / 7 / 10 / 13 / 14 string), Custom Lithium-ion Battery (Lit)"						
Rated charge current	30A	40A	50A	60A	20A	30A				
Temperature compensation	-3mV/°C/2V									
Charge method	3 stages: CC (Constant current) - CV (Constant voltage) - CF (Floating charge) CC (Constant current) - CV (Constant voltage)									
Output voltage stability accuracy	≤±0.2V									
<b>LOAD Characteristics</b>										
Load voltage	Same as battery voltage									
Rated load current	20A		30A		20A					
Load control mode	On/Off , PV voltage control mode, Dual-time control mode, PV + Time control mode									
Low voltage protection	10.5V (default), 11V (restored), settable									
Setting method	PC software / APP / Controller									
<b>Display &amp; Communication</b>										
Display	Blue OLED display									
Communication	Dual RJ45 port / RS485 / support PC software monitoring / support WiFi module for APP cloud monitoring / support centralized parallel monitoring									
<b>Other Parameters</b>										
Protections	"Input & output over-volt / low-voltage protection, reverse polarity protection, over-heating protection, battery shedding protection etc."									
Operating ambient temperature	-20°C~+50°C									
Storage temperature	-40°C~+70°C									
IP(Ingress protection)	IP42									
Altitude	0~3000m									
Max. connection size	28mm <sup>2</sup>									
Recommended breaker	≥63A	≥63A	≥ 100A	≥ 100A	≥ 40A	≥ 63A				
Net Weight/Gross Weight (kg)	1.5 / 1.9		2.25 / 2.6							
Product size /Packing size (mm)	220x148x64/285x190x74									
	245x170x69/300x220x75									