



Battery R2 (PNR-4.5-02), Stacked, Sodium-ion



Performances	Battery type		Sodium-ion battery
	Capacity		4.5 kWh
	Cycle life (25±2°C, 0.5C/0.5C, 80%DOD)		5,000*
	Charge and discharge current	Maximum continuous charge current	100 A
		Maximum continuous discharge current	100 A
	Rated voltage		45 V
	Operating voltage		33 V ~ 59.2 V
	Display		SOC: 25% ~ 100%, LED
Communication	Communication port		RS485 / CAN
General parameters	Dimension (W x H x D)		594 x 525 x 155 mm (23.4 x 20.7 x 6.1 in)
	Weight		54.5 kg (120.2 lb)
	Recommended depth of discharge		90%
	Installation		Floor stand
	Working temperature		Charge: -20°C ~ +55°C (-4°F ~ 131°F) Discharge: -30°C ~ +55°C (-22°F ~ 131°F)
	Storage temperature		0°C ~ +35°C (32°F ~ 95°F)
	Max. operating altitude		≤4,000 m (13,123 ft.)
	Installation environment		Interior
	Operating humidity		5% RH ~ 95% RH
	Cooling mode		Natural convection
Certification	IP rating of enclosure		IP20
	CE		EN IEC 61000-6, EN 62619