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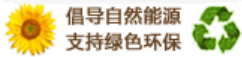
VFD & SOFT STARTER

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PRNZ-4000TC ~ PRNZ-10000TC

Solar & Utility hybrid charge control i



PRODUCT APPLICATION

Technical parameters

Model No.	PRNZ-			
	4000TC	5000TC	6250TC	10000TC
Solar				
Charge controller	48V 60A	48V 90A	48V 120A	48V 180A
Controller over voltage protection	58-60V	58-60V	58-60V	58-60V
Controller voltage drop	< 5%			
Battery over voltage protection	40V±0.5V	40V±0.5V	40V±0.5V	40V±0.5V
Static loss	< 1%			
Max. PV open circuit voltage	150V	150V	150V	150V
Suggest Limited Max. PV of Solar Panel	3200Wp	4000Wp	5000Wp	7000Wp
Power inverter				
Rated power	3200W	4000W	5000W	7000W
Peak power	9600W	12000W	15000W	21000W
DC voltage	DC 48V	DC 48V	DC 48V	DC 48V
Utility charger	48V 30A	48V 30A	48V 50A	48V 50A
Battery over voltage	32V / 64V		64V	
Charge current	10A - 50A / 10A - 30A		10A - 50A	30A - 50A - 80A
AC Bypass	80-140V / 160-275V			160-275V
Input frequency	38-65Hz			
Output waveform	Pure sine wave			
Overload protection	100%-120% >1min auto shut; 120%-150% >30s auto shut; above 150% >3s auto shut			
Over voltage point	Higher than 160V or 265V auto switch to battery mode			
Lack voltage point	lower than 80V (for 110V level) or 160V (for 220V level); auto switch to battery mode			
Transfer time	AC to DC ≤10ms; DC to AC ≤10ms			
AC efficiency	> 95%			
PF Power factor	1			
Nominal voltage	110V (120V) or 220V (230V)			220V
Output voltage	± 10%			
Output frequency	60Hz / 50Hz ± 1%			
System				
Protection function	Over temperature, over load, short circuit protection			
Environment				
Temperature	-10°C ~ 40°C			
Humidity	0% ~ 95% Non-condensing			
Structure				
Product size(mm)	620x470x450			690x610x540
Packing size(mm)	700x550x540			770x710x620
Weight (kg)				
N.W.	46.0	59.55	65.0	96.0
G.W.	49.0	64.65	68.0	102.3

◆The above data are for reference, subject to change without notice

Product Path: SOLAR > Solar & Utility hybrid charge control inverter > PRNZ-4000TC ~ PRNZ-10000TC

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