

➤ PowerCombo-20C2H1600K



20C2H1600K-8LS386-8LP48



System Technical Specifications

Item	20C2H1600K	20C1H1000KLS	20C2H1000KLS
DC Data			
Battery chemistry	Lithium Iron Phosphate (LFP)		
Cell life cycle	8,000 cycles with 70% retention @0.5C 25°C		
Cell spec	3.2V/314Ah		
String configuration	1P384S	1P240S	1P288S
Number of strings	8	8	8
DC rated energy capacity	3,086kWh	1,929kWh	2,315kWh
Rated voltage	1,228.8V	768V	921.6V
Voltage range	1,075.2V~1,363.2V	672V~852V	806.4V~1,022.4V
BMS communication interface	RS485, Ethernet		
BMS communication protocol	Modbus RTU, Modbus TCP		
AC Data	Standard Output		
Rated AC Power	1,600kW	1,000kW	1,000kW
Maximum AC power	1,760kW	1,100kW	1,100kW
Rated voltage	690V	400V	400V
Grid voltage range	586.5~759V(Optional)	340~440V(Optional)	340~440V(Optional)
AC rate of current	1,338.8A	1,443.4A	1,443.4A
Output THDi	<3%		
AC PF	-1~+1		
AC output	3W+PE		
General Data			
Dimension w/o clearances (L*W*H)	6,058x2,438x2,896mm		
Weight of the whole system	≤31t	≤23.6t	≤26.1t
Degree of protection	IP54		
Operating temperature range	-30~50°C		
Relative humidity	0~95% (non-condensing)		
Max working altitude	2,000m/6,562feet(non-derating)		
Cooling concept of DC hatch	Liquid Cooling and Dehumidification system		
Fire fighting system	FK-5-1-12		
Communication interfaces	RS485, Ethernet		
Certificates	UL9540, IEC62933, UN3536, CE MARK by TÜV Rheinland		