

## TECHNICAL DATA

Item	20C2H500K-NA	20C2H500K-EX	20C2H1000K	20C2H1200K	1MW/2.0MWh	1.1MW/2.2MWh
<b>DC Data</b>						
Battery chemistry	Lithium Iron Phosphate (LFP)					
Cell lifecycle	80% Retention with 5,000 Cycles					
Cell spec	3.2V/90Ah		3.2V/280Ah		3.2V/280Ah	
String configuration	2P240S		1P384S		1P384S	1P416S
Number of strings	8		5	6	6	
DC rated energy capacity	1,105.92kWh		1,720kWh	2,064kWh	2,064.36kWh	2,064.36kWh
Rated voltage	768V		1,228.8V		1,228.8V	1,228.8V
Voltage range	672V~852V		1,075.2V~1,363.2V		1,075.2V~1,363.2V	1,075.2V~1,363.2V
BMS communication interface	RS485, Ethernet					
BMS communication protocol	Modbus RTU, Modbus TCP					
<b>AC Data</b>						
Rated AC Power	500kW		1,000kW	1,200kW	1,000kW	1,100kW
Maximum AC power	550kW		1,100kW	1,320kW	1,320kW	
Rated voltage	480V	400V	690V		690V	
Grid voltage range	432~528V	342~418V	586.5~759V		586.5~759V	
AC rate of current	601.4A	721.7A	669.4A		836.8A	920.5A
Output THDi	< 3%					
AC PF	0.1~1 leading or lagging (Controllable)					
AC output	3-Phase 4-Wire+PE		3P+PE		Three-phase and three-wire	
<b>General Data</b>						
Dimension w/o clearances (L*W*H)	6,058x2,438x2,591mm					
Weight of the whole system	20t		23t		24t	25.5t
Degree of protection	IP54		IP54		IP65	
Operating temperature range	-20~40 C					
Relative humidity	0~95% (non-condensing)					
Max working altitude	2000m/6500feet					
Cooling concept of DC hatch	HVAC		Air cooling		HVAC	
Fire fighting system	NOVEC1230/FM-200		FK-5-1-12(NOVEC1230)		NOVEC1230/FM-200	