THE WORLD 1St SODIUM-ION BATTERY POWERED ON-LINE UPS

VALITA LCD Series 1-10kVA

True double on-line conversion;

Output Power factor 1.0;

Powered by sodium-ion batteries (VRLA as optional);

Super fast-charging, fully re-charge at minimum 30min;

Super long life with up to 2000 cycles' life @ 100% DOD;

Can choise green, blue, black, white







WHY SODIUM-ION BATTERIES

SUPER HIGH RATE DISCHARGE

Up to 15C discharge rate, excellent matching the short time & high power backup of UPS;

SUPER LONG LIFE

2000 cycles at 100% DOD, equals to LiFePO4, 5 times longer than VRLA;

SUPER STRONG THERMAL TOLERANCE & LOW TEMPERATURE PERFORMANCE

Sodium-ion can work under wider temperatures from -40°C-80°C,up to 88% capacity retention even under -20°C, >40% more than its lead acid or lithium-ion counterparts:

SUPER SAFETY

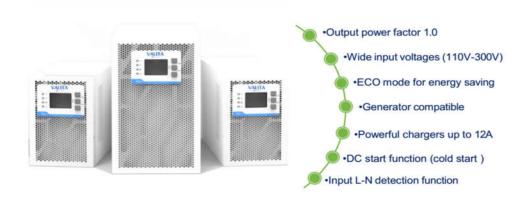
Sodium has less activity than lithium, less dendrites generated inside the cells during high rate discharge, deep discharge and even over-discharge; The unique ethylene carbonate (EC) electrolyte, has better sodium-ion solubility and higher flash-point, both guarantee sodium-ion barely cause thermal runaway;

It will barely have smokes, fires, explosion even under worse cases like puncturing, squeezing, over-charge, over-discharge etc.;

SUPER FAST RECHARGE

Sodium-ion has much better solubleness and much smaller Stokes diameter in same density electrolytes, thus much better conductivity and

> 50% faster recharging rate than its thium-ion counterpart;



SPECIFICATION

Model	VALITA 11	01 GN	VALITA 1	102 GN	VALITA 11	103 GN			
Capacity	1kVA/1	kW	2kVA	/2kW	3kVA/3	skW			
Input	Wes				W				
Nominal Voltage		100/1	10/115/120/127VAC (Optiona	I) or 208/220/230/240VAC	(Default)				
Voltage Range		3 SOC - CAT - U.S.	100-30		S MATTON CANADOTT NEW T				
Frequency			40-7	0Hz					
Power Factor	1			M60769					
THDi	> 0.99 ≤3% (linear load); ≤5% (non-linear load)								
Output			, , , , , , , , , , , , , , , , , , , ,	- Committee Control					
Nominal Voltage	T	100/1	10/115/120/127\/AC/Ontions	I) or 208/220/230/240\/AC	/Default)				
Voltage Regulation	100/110/115/120/127VAC(Optional) or 208/220/230/240VAC(Default)								
Frequency	±1%								
Crest Ratio	50/60Hz±0.1%								
THDu	3:1								
Transfer Time	≤2% (linear load); ≤5% (non-linear load)								
Power Factor	Line mode to battery mode,0ms; inverter to bypass ,4ms (typical)								
Waveform	1.0 Pure sine wave								
Overload time	Long Operation@102%-110% load Max 10 min@110-130% load Max 30s@130%-150% load 500ms@ > 150% load								
Efficiency									
Line Mode			> 95	.5%					
Battery Mode	≥91.50%								
ECO Mode		98.5%							
Battery(sodium-ion)			30.	570					
Energy	100Wh	1	200Wh	1	300Wh	1			
Run Time (100% Load)	5 Min 5s	i	4Min 28s	1	4Min 40s	1			
Run Time (50% Load)	15 Min 6s	7	11Min 20s	1	13Min				
Charging Time	42min	Y Y	35min	1	48min	7			
Battery(Lead acid)	42(1)))	<u> </u>	35(1)(1)	350	40000				
	24VDC	36VDC	48VDC	72VDC	72VDC	96VDC			
Voltage									
Battery Number Charging Current	9Ah*2pcs 1A	External 1-12A	9Ah*4pcs 1A	External 1-12A	9Ah*6pcs 1A	External 1-12A			
Charging Current Charging Mode	IA	1-12A			IA.	1-12A			
Management		Two/Three-period charging							
	T		DC222/LICE post/CNIME cost /	entional\/Dev content bit /o	eticael\				
Intelligent port Environment	No.		RS232/USB port/SNMP card (optional/Dry contact kit (o	ptional)				
	T								
Operation Temperature				0°C-40°C					
Storage temperature				0~60°C					
Relative Humidity				n-condensing)					
Noise			Charles Commission Commission Commission Commission Commission Commission Commission Commission Commission Com	3@1 meter					
Altitude			Up to 1000m	without derating					
Standard & Certifi	ication		المارية						
Standard and Approvals			EN/IEC 6100	00, EN/IEC 62040					
Physical	T		1						
Case size(L*W*H)(mm)	165*275*220	165*275*220	190*390*320	190*390*320	190*390*320	190*390*320			
Weight(KG)	6.8(sodium) 9.35(lead acid)	4.6	13 (sodium) 15.1(lead acid)	6	14.6(sodium) 23(lead acid)	6			
Carton size(L*W*H)(mm)	360°233°330 360°233°330 515°295°425 515°295°425 515°295°425 515°295°425								



- •True on line double conversion
- Output power factor 1.0
- Generator compatible
- •ECO mode for energy saving
- •USB, RS232 available, SMNP option
- •Parallel port available (can be 4 pcs in parallel mode)
- Maintenance bypass available
- ·Laser printer and ultrasound loads acceptable
- ·Built-in over voltage cut-off protection and surge immunity

SPECIFICATION

Model	VALITA 1106 GN VALITA 1110 GN								
Capacity	6kVA/6k\	N	10kVA/10kW						
Input									
Nominal Voltage		208/220/230/240	0VAC, L+N+PE						
Voltage Range	100-300VAC								
Frequency	40-70Hz								
Power Factor	> 0.99								
THDi	< 3% (linear load); < 5% (non-linear load)								
Output	·								
Nominal Voltage		208/220/230/240	IVAC. L+N+PE						
Voltage Regulation	±1%								
Frequency	50/60Hz±0.1%								
Crest Ratio	3:1								
THDu	The state of the s								
Transfer Time	≤2% (linear load); ≤3% (non-linear load)								
Power Factor	Line mode to battery mode 0ms 1.0								
Waveform	AND								
11070101111	Pure sine wave Long Operation@102%-110% load								
Overload time	Max 10 min@110-130% load								
	Max 30s@130%-150% load								
	500ms@ > 150% load								
Efficiency									
Line Mode	> 95.5%								
Battery Mode	≥91.50%								
ECO Mode	98.5%								
Battery (sodium-ion)									
Energy	500Wh	1	624Wh	1					
Run Time (100% Load)	7Min 18s	7	3Min 30s	1					
Run Time (50% Load)	17Min 10s	7	9 Min 54s	1					
Charging Time	35min	7	38min	1					
Battery (Lead acid)									
Voltage	192VDC/240VDC								
Battery Number	9Ah*16pcs/20pcs	External	9Ah*16pcs/20pcs	External					
Charging Current	1A	1-12A	1A	1-12A					
Charging Mode	Two/Three- period charging								
Management									
Intelligent port		RS232/USB port/SNMP card (op	ptional)/Dry contact kit (optional)						
Environment	**								
Operation Temperature		-20°C	-40°C						
Storage temperature	-40~60°C								
Relative Humidity	0-95%(non-condensing)								
Noise			01 meter						
Altitude		Up to 1000m w	7200 7500 12						
Standard & Certifi	ication								
Standard and Approvals		EN/IEC 61000.	EN/IEC 62040						
Physical									
Case size(L*W*H)(mm)	190*440*700	190*390*320	190*440*700	190*390*320					
Weight(KG)	22.2(sodium) 47.8(lead acid)	9.6	26.4(sodium) 49.4(lead acid)	11.2					