



R-SERIES SPECIFICATION SHEET

	RRS51280	RRS25560
MODEL		
ENERGY RATING	51.2V 280AH (14.336KWH)	25.6V 560AH (14.336KWH)
ENERGY SCALABILITY	64 X PARALLEL (917.5KWH)	64 X PARALLEL (917.5KWH)
CHARGING/DISCHARGING		
MAX CONTINUOUS DISCHARGE POWER	200A (10.24KW)	200A (5.12KW)
RECOMMENDED DISCHARGE POWER	180A (9.216KW)	180A (5.12KW)
INVERTER START-UP CAPABILITY	800A	800A
MAX CONTINUOUS CHARGING POWER	180A (9.216KW)	200A (5.12KW)
PEAK CHARGING POWER (30MIN)	200A (10.24KW)	250A (6.4KW)
RECOMMENDED ABSORB VOLTS	56.8V	28.4V
MAX ABSORB VOLTS (SOLAR ONLY)	57.6V	28.8V
ABSORB DONE AMPS (PER BATTERY)	5A	5A
ABSORB DONE TIME	10MIN	10MIN
FLOAT VOLTAGE	54.4V	27.2V
TEMP COMP—MV DEGREES CELSIUS	0	0
MAX RECOMMENDED DISCHARGE	51V (20%)	25.5V (20%)
INVERTER LOW BATTERY CUTOUT	48V	24V
LOW VOLTS CUTOUT WAKEUP	44V	22V
HIGH VOLTS CUTOUT WAKEUP	55V	27.5V

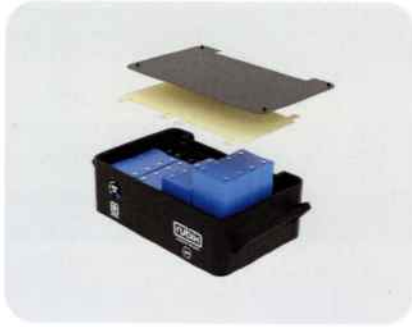


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INSTALLATION REQUIREMENTS		
VENTILATION REQUIRED	NO	NO
MINIMUM ENVIRONMENT TEMP	32 °F	32 °F
MAXIMUM ENVIRONMENT TEMP	120 °F	120 °F
IP RATING	IP50	IP50
OUTDOOR RATED	NO	NO
INSTALLATION POSITION	HORIZONTAL WITH BASE UNIT ONLY	
MAXIMUM BATTERIES PER STACK	4	4
TERMINAL SPECS		
M8 STAINLESS STEEL DUAL	BOLT-ON	BOLT-ON
MAX TERMINAL TORQUE	20FT-LBS	20FT-LBS
CYCLE LIFE RATING		
RATED LIFE CYCLE (100% DOD)	3,000 CYCLES	3,000 CYCLES
RATED LIFE CYCLE (80% DOD)	4,500 CYCLES	4,500 CYCLES
RATED LIFE CYCLE (50% DOD)	7,000 CYCLES	7,000 CYCLES
RETAINED CAPACITY AT END OF CYCLE LIFE	80%	80%
SAFETY FEATURES		
BREAKER CURRENT RATING	250A	250A
BMS LOW VOLTAGE DISCONNECT	41 +/-1V	20.5 +/-1V
BMS HIGH VOLTAGE DISCONNECT	59 +/-1V	29.5 +/-1V
BMS LOW TEMP CHARGING DISCONNECT	32 °F	32 °F
BMS LOW DISCHARGING DISCONNECT	0 °F	0 °F
BMS HIGH TEMP DISCONNECT	135 °F	135 °F
PRESSURE VENTED CELLS	YES	YES
RAPID SHUT DOWN FUNCTION (RPSD)	NO	NO



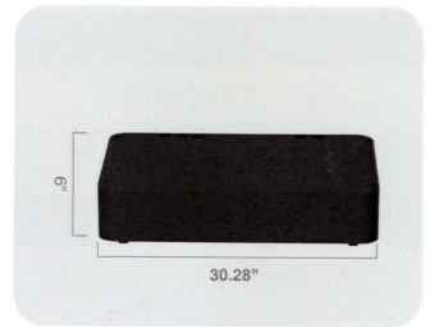
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CERTIFICATIONS		
BATTERY CERTIFICATION	—	—
TRANSPORT	UN 38.3	UN 38.3
INTERNAL COMPONENTS		
CELL CHEMISTRY	LIFEPO4	LIFEPO4
CELL FORMAT	PRISMATIC	PRISMATIC
BALANCING TYPE	ACTIVE	ACTIVE
MAX BALANCING CURRENT	2A	2A
CELL CONNECTION	WELDED BUSBAR	WELDED BUSBAR
TOUCHSCREEN LCD FEATURES		
STATE-OF-CHARGE	✓	✓
PACK VOLTAGE	✓	✓
CHARGING/DISCHARGING CURRENT	✓	✓
INDIVIDUAL CELL VOLTAGE		
FAULT LOGGING		
INVERTER COM. SELECTION		
PHYSICAL DIMENSIONS		
BATTERY WITH HANDLES	35.94" × 19.53" × 9.45"	35.94" × 19.53" × 9.45"
BASE	30.28" × 19.53" × 6"	30.28" × 19.53" × 6"
LID	30.28" × 19.53" × 0.78"	30.28" × 19.53" × 0.78"
WEIGHT		
BATTERY	271 LB	271 LB
BASE	66.6 LB	66.6 LB
LID	20.8 LB	20.8 LB



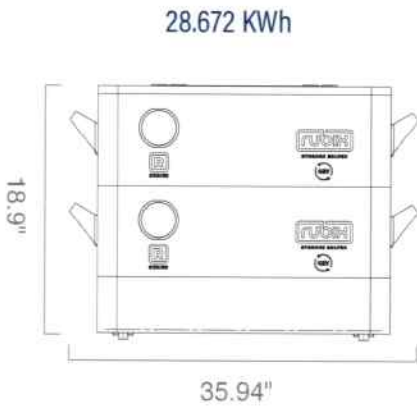
51.2V280Ah/25.6V560Ah
(Internal View)



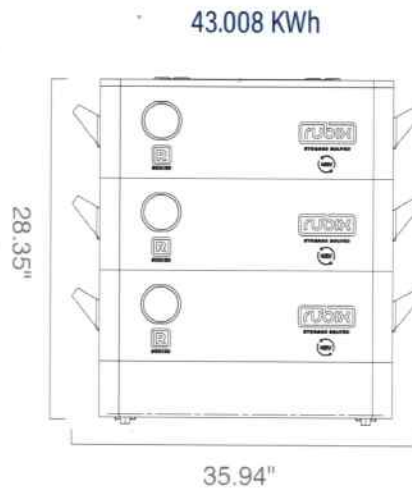
51.2V280Ah/25.6V560Ah
(Lid Size)



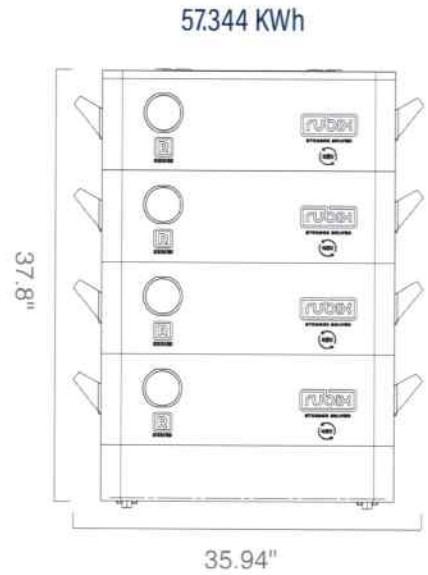
51.2V280Ah/25.6V560Ah
(Base Size)



24V Battery



48V Battery



Individual Battery Modules

