

Renaissance superRack™ outdoor

DC connection



The Renaissance **superRack™ outdoor** provides all the benefits of the **superRack™ indoor twin** in a ruggedised, safe and easy to transport outdoor enclosure.

All battery logistics must be completed by DG licensed truck and driver.

Mechanical lifting equipment required. Ensure an appropriately rated forklift is used.

Forklift tines are to be fully engaged and products to remain fully upright at all times.

Specifications may change anytime without notice.

*Configurable to suit inverter/site
^See installation manual for clearance zones

Energy Renaissance uses all reasonable efforts to include accurate information and reserves the right to make changes without prior notice or obligation. No warranties or representations with respect to the contents of this brochure are made.

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Capacity/rack*	kWh	Up to 154
C-rate*	/h	0.5 @ duty = 1, 0.7 @ duty = 0.5, 5 min max
Continuous power*	kW	up to 77
Nominal voltage	V _{dc}	Between 461 and 1,306*
	V _{dc}	76.8 (per pack)
Operating voltage per pack	V _{dc}	63.5 – 85.2
Efficiency	%	>97%, 0.5 C/h
Operating temperature	°C	10 - 55
Relative humidity	%	0-95% (no condensing)
Elevation	m	<2000
Wind region	-	A
Certificates	-	UL1642,1973(Safety), UN38.3(Transport), CE, Australian Made (AMAG), EN50549
IP rating	-	IP 55
Communication	-	Via superEMST™/superModbus™ (MODBUS RTU or TCP)
Lifetime	cycles	3,650 to 80%
		5,000 to 67%
		6,000 to 67%, 0.25 C/h max
AC-circuit-breaker/DC-contactor rating	A	DC contactor 80 (also ultra-fast fused 125)
	A	Auxiliary (Logic) 10
	A	Auxiliary (HVAC) 10
Incoming terminal specifications	DC	Cable size up to 70mm ² , M8 terminal bolt
	Auxiliary (Logic)	Cable size up to 4mm ² (6mm ² for bare conductors)
	Auxiliary (HVAC)	Cable size up to 4mm ² (6mm ² for bare conductors)
Populated superRack™ outdoor weight	kg	1,400 ± 100
Dimensions (D x W x H)^	mm	1,303 x 1,250 x 2,365
Paralleling	-	Yes
Noise	dB(A)	65