

RENAC



MODULAR DESIGN,
EXPANDABLE



CAPACITY UP TO
14.32KWH



IP65 RATED



EASY INSTALLATION



SAFE AND LONG
LIFESPAN



HIGH POWER OUTPUT
& USABLE ENERGY
RATIO



Energy Storage System

PowerCase

3.58KWh / 7.16KWh / 10.74KWh / 14.32KWh
LiFePO4 Lithium-ion Battery

RENAC PowerCase is a LiFePO4 Lithium-ion Battery system. It offers a 3.58 KWh modular that can be expanded in series with up to 4 batteries 14.32KWh system. The PowerCase encompasses the latest LFP technology which ensures more reliable applications under wider temperature range.

Model	PC-3.58	PC-7.16	PC-10.74	PC-14.32
Battery				
Battery Type	LiFePO4			
Battery Module [Module]	1	2	3	4
Nominal Characteristics				
Nominal Voltage [V]	51.2			
Battery Capacity [Ah]	70	140	210	280
Nominal Battery Energy [kWh]	3.58	7.16	10.74	14.32
Electrical Specification				
Voltage Range [V]	43.2 ~ 57.6			
Max.Charging Current [A]	50	100	100	100
Max.Discharging Current [A]	50	100	100	100
Mechanical Specifications				
Net Weight [KG]	59	94	59+94	94+94
Demension [mm]	536 × 170 × 1037			
Ingress Rating	IP65			
Color	White (Customizable)			
Cooling	Natural Convection			
Communication Specifataction				
Communication Port	CAN			
Operation Conditions				
Operation Temperature Range [°C]	0 ~ 55			
Operation Humidity	< 100%			
Altitude [m]	< 2000			
Calender Life [Cycles, °C]	> 6000, 25			
Certification				
Safety	CE / EN62619			
EMC	EN61000			
Transport	UN38.3			
Environment	ROHS			
Protection				

* OverCharge / Overdischarge Protection

* Overtemperature Protection

* OverCurrent Protection

* Short Circuit Protection