

BESS for Diesel Hybrid

Lion-300kW-600kWh
375kW-220kWh
500kW-292kWh



Lower fuel & CO₂ emissions



Downsize

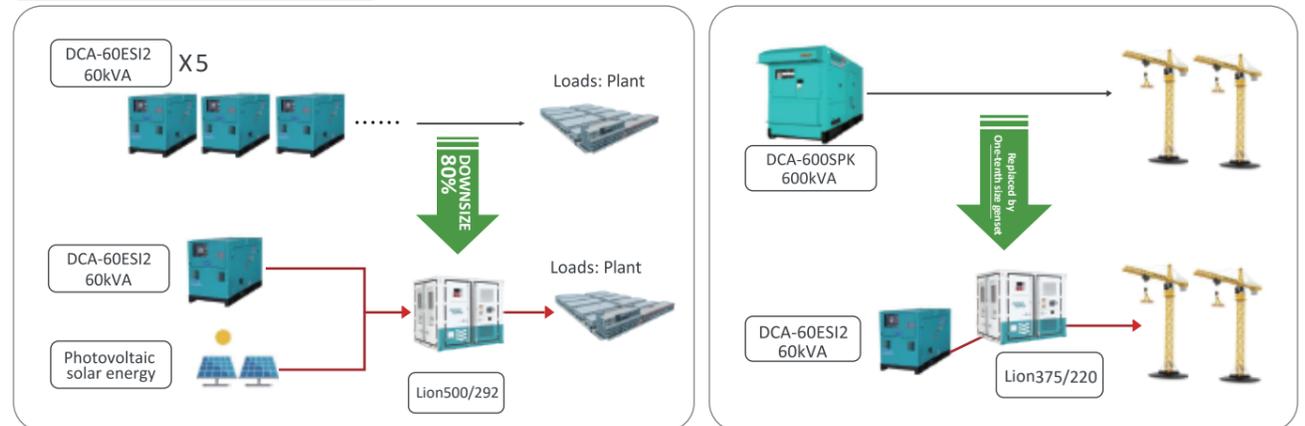


Shorter running hours of diesel generators



Longer battery life

Application Case



Lion series Specifications

AC parameters		Lion-300/600	Lion-375/220	Lion-500/292
Rated power	kW	300	375	500
Maximum output power	kW	330	412	550
Maximum output current	A	476	594	721
Rated voltage	V	400		
frequency	Hz	50/60		
Power factor		-1~1		
THDi		<3%		
Isolation		Transformer isolation		
Communication output		3W+N+PE		

DC parameters		LFP		
Battery type		LFP		
Battery specifications	Ah	280	104	
Battery voltage	V	3.2	3.2	
DC rated voltage	V	768	704	
DC voltage range	V	672~864	616~792	
Rated capacity	kWh	645	220	292
Maximum discharge rate		0.5C	2C	
Recommended discharge depth	%	80		

General Data				
Dimensions (length x width x height)	mm	2950x2200x2500		
Weight	Kg	11000	8200	8500
Diesel engine connection power	kVA	90	60	80
relative humidity		0~95%		
Protection level		IP54		
Working temperature range	°C	-10~55		
Maximum working altitude	m	≤2000		
Heat dissipation method		HAVC		
noise	dB	≤80		
signal communication		Ethernet, Modbus, RS485, CAN		
Fire protection system		YES		
authentication		GB/T36276, IEC62619, UL9540A, UL1973, UN38.3, AS/NZS 4777.2:2020		

