


Orca Performance vs Standard UPS

Compare the technical performance. Compare the financial cost. Compare the environmental costs.

Emergency Power System Features & Specifications	 ORCA <small>Powered by Méridien Energy</small>	Standard UPS
SYSTEM SIZE:		
Solar	7.92kW	Nil
Storage	10.8kWh	6kWh
Battery Chemistry	LFP	Lead-acid
Initial Cost	\$19,988*	\$25,234
Capital Cost (p.a) [†]	\$1,000	\$3,825
Total 20 year cost	\$31,748 [‡]	\$112,438
System Life	> 10 years	7 years (max)
Warranty	10-25 years	3 years standard
Battery Charging	Grid + Solar <small>with blackstart</small>	Grid Only
Battery replacement cycle	20 years	3 years
Usable Back-up Capacity	10.26Wh [§]	6kWh
Energy Cost Savings	Yes	No
Environmental Benefits	Yes	No
Medical Grade UPS	No	No
Emergency Power Supply	2 - 10 hours	2 hours
Switching Time	<10 m/s	<10 m/s
Energy Islanding	Yes	No
Live Monitoring	Yes	Yes
Controlled Cycling	Yes	No
Ambient Temp Susceptibility	No (up to 45C)	Yes (over 25C)
System Life Environmental Impact	Very Low	Very High

* Plus any relevant regional surcharges for installation.

† Contact Meridien Energy for full analysis of 20-year costings.

‡ Including \$588 p.a. maintenance program

§ The system is programmed to maintain a minimum charge of 95% of total capacity. Therefore 10.26kWh minimum available capacity.