



# CygnusFour

## Hybrid Power System

# Technical Specification

		CYG4-45-88-AGM	CYG4-45-66-LFP
POWER	Prime Rating @ 25°C (kVA) <sup>1</sup>	45	
	AC Output Voltage	50Hz, 400V L-L, 230V L-N, fully adjustable.	
	Output Connections	6 x 32A single phase CEE Form smart distribution programmable outlets, RCBO protected. 1 x 125A three phase CEE Form outlet, variable RCD & MCB protected. Custom distribution options available upon request.	
	Input Connections	1 x 125A three phase CEE Form inlet, MCB protected.	
	Maintenance charge input connection	1 x 16A single phase CEE Form inlet, MCB protected.	
	Passthrough	100A	
STORAGE	Type	AGM (Absorbent Glass Matt)	LFP (Lithium Iron Phosphate)
	Capacity @ 25°C	88 <sup>1</sup>	66 (alternative options available upon request)
	Charge Time (hours) <sup>2</sup>	6	3
	Working Life Cycle <sup>3,4 &amp; 6</sup>	800	5000
CONTROL	ControlCentre	7" touch screen IP65 display, providing a user-friendly GUI whilst delivering an enhanced management & control system. Key features: <ul style="list-style-type: none"> <li>• Generator control; load management, optimised quiet hours and scheduled runs.</li> <li>• Enhanced system management.</li> <li>• Ability for users to program custom logic sequences.</li> <li>• Enhanced battery string/cell level management.</li> <li>• System commissioning/decommissioning assistants.</li> <li>• Troubleshooting assistants &amp; diagnostics.</li> <li>• User friendly graphical performance &amp; event logs.</li> <li>• Enhanced environmental control.</li> <li>• Remote communication, monitoring &amp; control.</li> </ul>	
	Remote Generator Start	Binding Posts and Internal Busbar (Two Wire Signal)	
	Transfer Relay Time (ms)	< 20	
ENVIRONMENTAL	Water/Ingress Protection Rating	IP44	
	Operating Temperature Range (°C)	-20 to +45	
MECHANICAL	Dimensions W x D x H (mm)	1280 x 3000 x 2100	
	Weight (kg)	4900	3900
	Lift Points	Lifting Beam, Forklift Pockets, Lift & Drag Skid	

1. Capacity is based on the C20 rate and will vary depending on rate of discharge (see Fig. 1 & Fig. 2)  
2. Charge time dependent on available power of external source  
3. See Fig. 3  
4. Storage capacity may be affected by charging or discharging at less than 0°C (see Fig. 4)  
5. Storage total cycle life may be affected by charging or discharging in excess of 25°C (see Fig. 5)

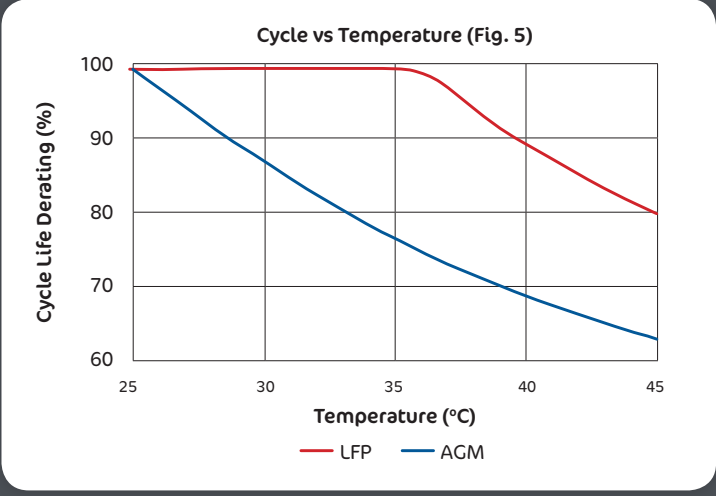
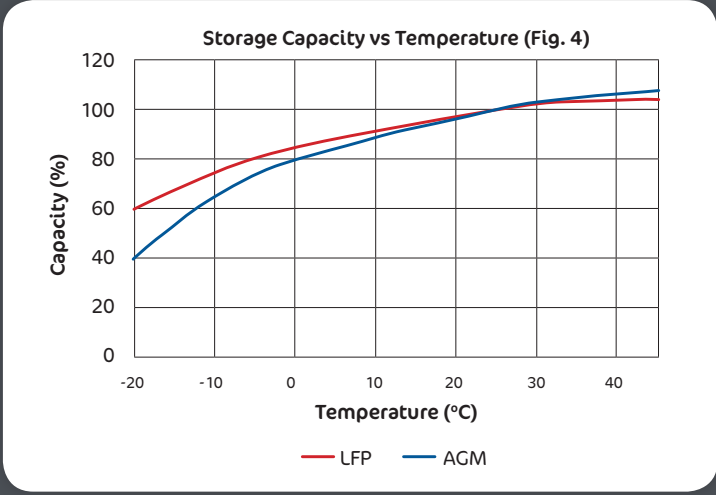
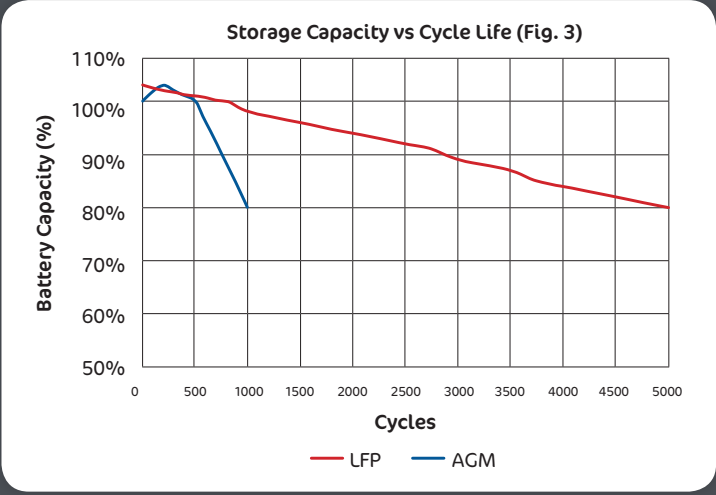
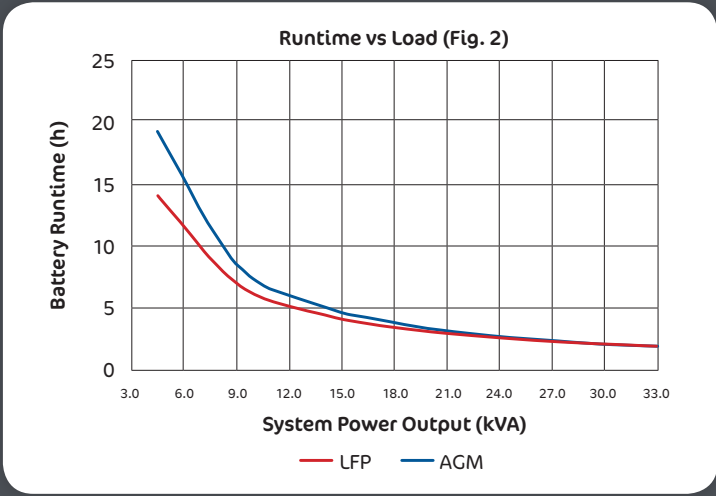
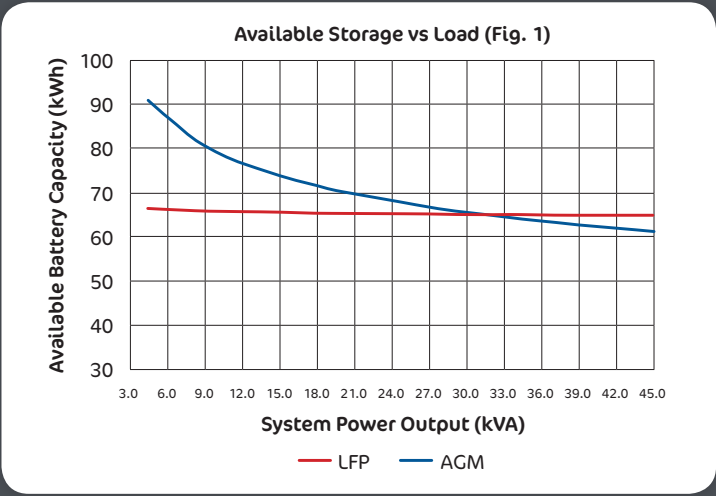
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Power	AGM 88		LFP 66	
	Available Storage	Time	Available Storage	Time
45kVA	61.3	1.3	64.8	1.4
41kVA	62.4	1.5	64.9	1.5
36kVA	63.7	1.7	65.0	1.7
32kVA	65.1	2.0	65.1	2.0
27kVA	66.9	2.4	65.2	2.3
23kVA	69.0	2.9	65.3	2.8
18kVA	71.6	3.8	65.4	3.5
14kVA	75.2	5.3	65.6	4.6
9kVA	80.6	8.5	65.9	7.0
5kVA	90.7	19.2	66.4	14.0

