



TECHNICAL OVERVIEW

MODEL	PH20/30
RATED POWER	20 kVA
BATTERY CAPACITY	30 kWh
SOLAR CAPACITY	5 x 460 W PANELS
FUEL TYPE	DIESEL
SPEED	1500 RPM
TYPE	HEAVY DUTY
FREQUENCY	50Hz
PHASE/VOLTAGE	THREE PHASE / 415V
FUEL CAPACITY	100 LTR

ENGINE

MANUFACTURER	YANMAR
ENGINE MODEL	4TNV84
CYLINDER/ CAPACITY	4 CYL / 1.995 LTR
INDUCTION	NATURALLY ASPIRATED
FUEL CONSUMPTION	3.75 L/HR @ 75% LOAD
GOVERNOR	MECHANICAL
OIL CAPACITY	7.4 LTR
COOLANT CAPACITY	15.8 LTR

ALTERNATOR

BRAND AND MODEL	LEROY SOMER TAL-A40-F
TYPE	BRUSHLESS / AVR
HARMONIC DISTORTION	LESS THAN 5%
INSULATION CLASS	CLASS H

SAVE MONEY AND THE ENVIRONMENT

- UP TO 85% REDUCTION IN GENERATOR RUN TIME
- UP TO 90% REDUCTION IN EMISSIONS
- LATEST INVERTER-BATTERY TECHNOLOGY
- 50% + FUEL COST REDUCTION

FEATURES

ALL IN ONE HYBRID POWER SYSTEM
SILENCED CANOPY – 60 dB(A) @ 7M
HEAVY DUTY SKID BASE WITH FORK POCKETS
BUNDED FUEL TANK
CANOPY – GALVANISED POWDER COAT
REMOTE MONITORING CONTROL SYSTEM
OUTLETS – 3 x 15 AMP 240V, 1 x 32 AMP 415V
EXTERNAL FUEL CONNECTION

CONTROLS

BRAND AND MODEL	DEESEA 7420
CIRCUIT BREAKER	FOUR POLE

BATTERY

CELL TYPE	LFP (LiFePO4)
PACK MODEL	MF51100
PACK CAPACITY	5.12 kWh
PACK RATED VOLTAGE	51.2 VDC
DISCHARGE DEPTH	90%
RATED CYCLE LIFE	≥ 6000 80% DOD

DIMENSIONS

LENGTH / WIDTH / HEIGHT (EXPANDED)	306 CM / 117.4 CM / 218.8 CM
WEIGHT (DRY)	2339 KG



Materials and specifications are subject to change. Specification sheets are current as of 30/6/2025.