



TECHNICAL OVERVIEW

MODEL	PH30/40
RATED POWER	30 kVA
BATTERY CAPACITY	40 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	4TNV98
CYLINDER/ CAPACITY	4 CYL / 3.319 LTR
INDUCTION	NATURALLY ASPIRATED
FUEL CONSUMPTION	5.37 L/HR @ 75% LOAD
GOVERNOR	MECHANICAL
OIL CAPACITY	10.5 LTR
COOLANT CAPACITY	19 LTR

ALTERNATOR

BRAND AND MODEL	LEROY SOMER TAL-A42-C
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
BUNDLED 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	DEIF CONTROLLER AGC150
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)	333 CM / 116.6 CM / 218.8 CM
WEIGHT (DRY)	2936 KG

