

SCHEDA TECNICA / TECHNICAL DATA SHEET / FICHE TECHNIQUE / FICHA TECNICA

BATTERY ENERGY STORAGE SYSTEM SYNCHRO

BESSy 50



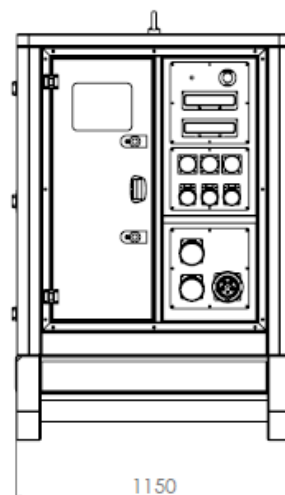
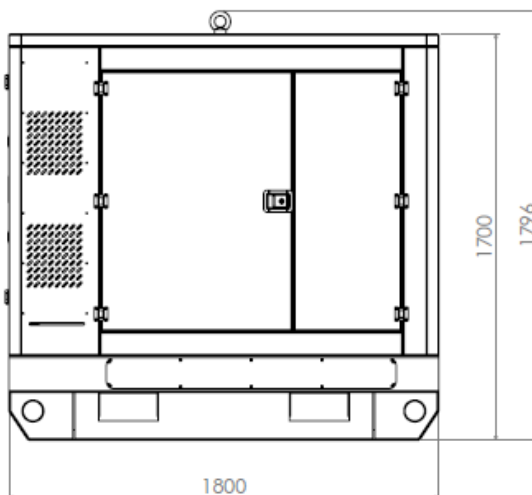
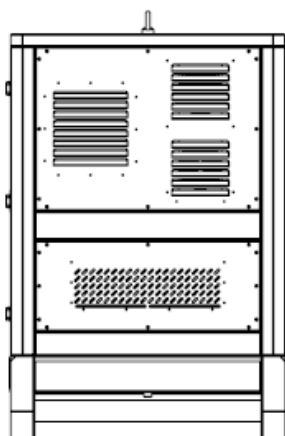
DATI TECNICI GENERALI	GENERAL TECHNICAL DATA	DONNEES TECHNIQUE GENERALES	DATOS TECNICOS GENERALES	
Potenza nominale	Nominal power	Puissance nominale	Potencia nominal	50 KW/62,5 KVA
Capacità di accumulo nominale	Nominal storage capacity	Capacité de stockage nominale	Capacidad nominal de almacenamiento	52 kWh
Tensione nominale (50 Hz)	Rated voltage (50 Hz)	Tension nominale (50 Hz)	Tensión nominal (50 Hz)	400/230 V
Tensione batteria	Battery voltage	Voltage de batterie	Voltaje de la batería	32 V
Corrente nominale	Rated current	Courant nominal	Corriente nominal	90 A
Temperatura operativa	Operating temperature	Température de fonctionnement	Temperatura de funcionamiento	Da 0°C A +50°C
Livello potenza acustica	Sound power level	Niveau de puissance sonore	Nivel de potencia de sonido	<60 dB(A)

BATTERIE	BATTERY	LA BATTERIE	BATERIA	
Quantità	Quantity	Quantité	Cantidad	11 cad
Tipologia cella	Cell type Do D (depth of discharge)	Type de cellule	Tipo de célula	LiFeP04
Do D (profondità di scarica)	Nominal capacity	Do D (profondeur de décharge)	Do D (profundidad de descarga)	90%
Capacità nominale	Nominal capacity	Capacité nominale	Capacidad nominal	4.736 Wh
Massima corrente di carica/scarica	Maximum charge / discharge current	Courant de charge/décharge maximal	Corriente máxima de carga/descarga	148 A
Vita utile	Useful life	Vie utile	Vida útil	>4000 cicli

INVERTER	INVERTER	ONDULEUR	INVERSOR	
Quantità	Quantity	Quantité	Cantidad	2
Tipologia	Type	Typologie	Tipología	AC/DC + DC/DC
Potenza	Overload	Surcharge	Sobrecarga	62,5kVA
Caricatore (48 Vcc)	Charger	Chargeur	Cargador	150 A
Corrente passthrough max	Passthrough current max	Courant de passage max	Corriente de paso máx.	120 A

PRESTAZIONE	PERFORMANCE	PERFORMANCE	ACTUACIÓN	
Autonomia di scarico 100%/75%	100% / 75% discharge autonomy	100% / 75% d'autonomie de décharge	100% / 75% de autonomía de descarga	50min / 66min
Autonomia di scarico 50%/25%	50% / 25% discharge autonomy	50% / 25% d'autonomie de décharge	50% / 25% de autonomía de descarga	100min / 200min
Tempo di carica	Charging time	Temps de charge	Tiempo de carga	1.8 h
Potenza generatore raccomandata	Recommended generator power	Puissance de générateur recommandée	Potencia recomendada del generador	30-100 kVA

QUADRO DI GESTIONE	CONTROL PANEL	TABLEAUX DE COMMANDE	CUADRO DE CONTROL	
Centralina di comando e controllo	Command and control unit	Unité de commande et de contrôle	Unidad de mando y control	COMAP InteliNeo 530 BESS
Funzione di parallelo con gruppo elettrogeno	Synchro function with generating set	Fonction parallèle avec groupe electrogene	Función paralela con grupo preparado	STD
Selettore on/off centralina	On/off control unit selector	Sélecteur d'unité de contrôle activé / désactivé	Selector de la unidad de control de encendido/apagado	STD
Pulsante di emergenza	Emergency stop button	Bouton d'arrêt d'urgence	Botón de parada de emergencia	STD



DIMENSIONI E PESO	DIMENSIONS AND WEIGHT	DIMENSIONS ET POIDS	DIMENSIONES Y PESO	
Dimensioni	Dimensions	Dimensions	Dimensiones	1800x1150x1796mm
Peso	Weight	Poids	Peso	1450 Kg

DOTAZIONI PRESE	EQUIPMENT TAKEN	ÉQUIPEMENT PRIS	EQUIPO LLEVADO	
Ingresso potenza	Power Input	Entrée d'alimentation	Entrada de energía	1 X CEE 400V 5P 125 A
Uscita potenza	Power Output	Puissance de sortie	Salida de energía	2 X CEE 400V 5P 32 A
				3 X CEE 230V 3P 16 A
				3 X SHUKO 230V 3P 16 A



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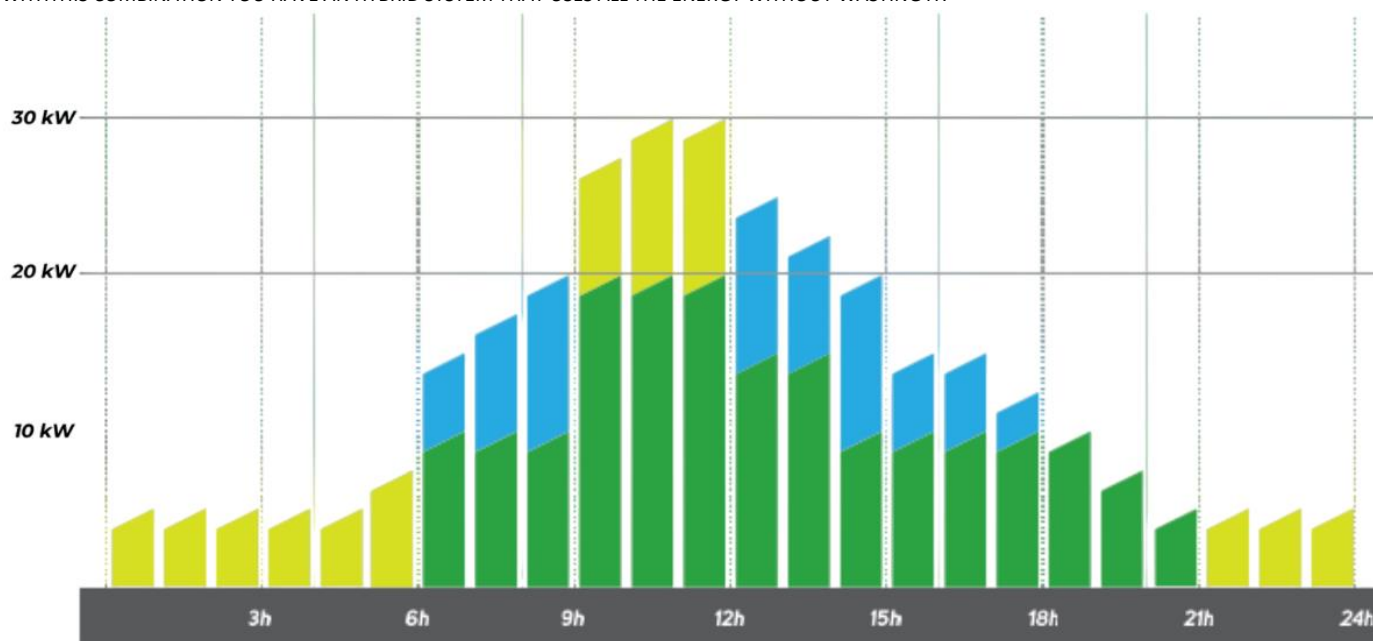
APPLICATION SYSTEM BESSy50



THE ENERGY STORAGE SYSTEM BESSy50 IS A VERY VERSATILE PRODUCT. IT CAN BE USED TO SUPPLY ENERGY BY ITSELF, TO RECEIVE THE OVERPRODUCED ENERGY BY THE GENERATING SET, OR IN SUPPORT TO THE GENERATING SET TO REACH ENERGY PEAKS NOT SUPPORTED BY THE SET POWER.

BY USING THE BESSy50 **SYNCHRONIZED** WITH OUR GENERATING SET, YOU CAN OPTIMIZE THE USE OF THE SET ITSELF BY NOT WASTING FUEL AND PRODUCED ENERGY PRODUCED.

IN THIS WAY WE HAVE A REAL HYBRID SYSTEM THAT TAKES THE ENERGY PRODUCED AND NOT USED BY THE GENERATING SET AND IT ACCUMULATES IT IN THE ENERGY STORAGE SYSTEM. THIS EXTRA ENERGY CAN BE THEN REUSED WHEN NEEDED, WITH ZERO EMISSIONS OF CO2 AND ZERO SOUND EMISSIONS. WITH THIS COMBINATION YOU HAVE AN HYBRID SYSTEM THAT USES ALL THE ENERGY WITHOUT WASTING IT.



BESS / ENERGY STORAGE SYSTEM

ZERO EMISSION



PG / POWER GENERATOR

ECO FRIENDLY STAGE V ENGINE



BESS + PG

HIBRID MODE LOW EMISSION



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