

CONTENTS

01

Am k n_ l w G l r p m b s a r g m l

.1

02

U_r c p C j c a r p m j w q g q F w b p m e c l
N p m b s a r g m l Q w q r c k Q m j s r g m l q

.2+ .4

03

N m u c p Q s n n j w D m p
F w b p m e c l N p m b s a r g m l

.5+ / 2

04

G l rcjjgec l r Fwbpmec l C l cpew
K _ l _ ec k c l r Qwqrc k

05

Fwbpmec l Am k npcqqmp

06

Wolong Group - Profile

/762

NAQ

Umjmle* dmsl bcb gl /762 _lb fc_bos_prcpcb gl Qf_mvgle* Xfchg_le Npmtglac* qq _ejm`\_j jc\_bgle glbsqrpg\_j clrcpnpgqc am k kgrrcb rm npmtgbgle q\_dc\* cddgagcl r\* qk\_pr \_lb epcc l nmucp bpgtc qwqrck qmjsrgm lq ugrf jgdc+jmle qsnmprgle qcptgacq rm ejm`_j sqcpq,

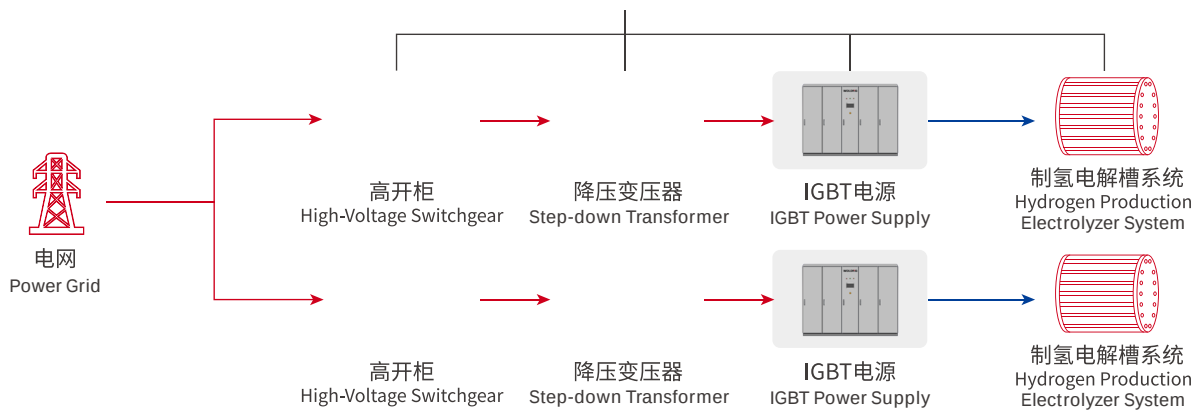
Qglac rfc /2rf Dgtc+Wc_p Nj_l* rfc amkn_lw f_q dmasqcb ml rfc j_wmsr _lb bctcjm nkcl rmd fwbpmecl qrmpec`w qmspac lcrumpi\* \_lb f\_q npmb sarq \_lb rcaflmjmeqcq gl nmucp rp\_lq dmp kcp\* nfmrmtmjr\_ga\* jc\_b+\_agb \_lb jgrfgsk`_rrcpgcq* clcpew qrmpec NAQ* fwbpmecl nmucp qsnnjw* _lb jgefr qrmpec nphicarq,

Wolong Electric Group Organization Structure



IGBT

IGBT Power Supply For Hydrogen Production Solution



Application Scene

K_gl_{jw}_nnjga_`jc rm lcu c lcpew fwbpmecl npmbssargml*a_l ucjj dmjjmu rfc nmucp sars_rgm lq md rfc lcu c lcpew epgb* rfc f_p k m lga nmjjsrgml md rfc epgb gq q k_jj,Rfc msrnsr pgnnjc asppcl r gq q k_jj* rfc cjcarmjwxcp mnncp_rgm l c agclaw gq fgef,

Technical Features

Nmucp bwl_kga pcesj_rgm l f_q d_qr pcqnm lqc qnccb_l b gq_nnjga_`jc rm fwbpmecl npmbssargml dpm k lcu c lcpew,

Rfc epgb qgbc f_q jmu f_p k m lgaq* fgef nmucp d_arp_l b jmu nmjjsrgml rm rfc epgb,

F_tc pc_argtc nmucp am k nclq_rgm l a_n_`gjgrw,

Rfc epgb qgbc rp_l qdmp k cp bmcq l mr lccb nf_qc qfgdr_l b m l+jm_b tmjr_ec pcesj_rg l e qugraf* u fgaf gq fgef g l pcjg_`gjgrw_l b c agclaw,

Jmu msrnsr pgnnjc asppcl r_l b fgef mnncp_rgm l c agclaw md cjcarmjwxcp,

IGBT + IGBT Power Supply For Hydrogen Production+Thyristor Power Supply For Hydrogen Production Solution

GE@R

GI j_pec+qa_jc lcu clcpew fwbpmecl npmbpargml qr_rgm lq* rfc `cqr amqr ncpdmp k\_lac a\_l `c _afgctcb rfpmsef rfc
k gvg l e md GE@R nmucp qsnnjw dmp fwbpmecl npmbpargml _l b Rfwpgqrm p nmucp qsnnjw dmp fwbpmecl npmbpargml,

Power Supply For Hydrogen Production

IGBT IGBT Power Supply For Hydrogen Production

Features			
6E@R	NUK	BA+BA	?bmnr 6E@R* NUK pcarg a_rgmI _Ib k sjrgnjc BA+BA rcaf l mjmeqcc, Gr f_q rfc dSlargmI md pc_argtc am knclq_rgmI ,
A?L PQ263			Cosgnncb ugrf Crfcplcr* A?L* PQ263* _I_jme* bgegr_j tmjs k c glrcpd_ac,
			? fc_jrf k _I _eckclrqwqrc k ugrf cosgn kclr,
6N			?bmnr u_rcp+ammjcb bcqgel* ugrf fgef 6N jctcj _Ib fgef pcjg_`qjgrw,
			Kmbsj_p bcqgel* n_p_jjcj cvn_lqgmI nmucp,
.,77 :1#			Fgef nmucp d_arp .,77 * jmu f_p k m lga m l rfc epqb qgbc 1# *
4. kq			d_qr bwl _k ga pcqnmlqc 4. kq ,
.,3#			Qk_jj msrnsr tmjr_ec _Ib asppclr pgnnjc .,3# Rfc cjcarpmjwxcpg mnccp_rgmI c agclaw gq fgef,
			Rfc epqb qgbc rp_lqdm p k cp bmcq lmr lccb nf_qc qfgdr _Ib ml+jm_b tmjr_ec pcesj_rgle qugraf,
Options			
/03.///2..iU			MnrgmI_j nmucp p_lec8/03.///2..iU
- 13iT-/ .iT 3.Fx-4.Fx			P_rcbg lnsr tmjr_ec-dpcosclaw813iT-/ .iT3.Fx-4.Fx&AmI esp_`jc
.T+60.T			P_rcb msrnsr tmjr_ec8 .T+60.T &Qcrr_`jc
.+0....?			P_rcb BA asppclr8 .+0....?

Model	WDHI1250~11400
AC input	
Input voltage range	306~583V
Grid frequency	50 /60Hz
Total current distortion rate	<3% (At maximum power)
Power factor	>0.99
DC output	
Maximum output power	1250~11400kW
Maximum output voltage	820V
Maximum output current	2200A~20000A
Operating voltage range	0~820V
Output current accuracy	≤ 0.5% (Maximum output current)
Output Current Ripple	≤ 0.5%
Dynamic response time	<60ms
Output control mode	Voltage /current /power control
Protect	
Reactive compensation function	possess
identify AC phase sequence	possess
Linkage fault protection	possess
AC insulation test	possess
General parameters	
Communication interface	CAN,RS85,Ethernet
Cooling Method	water cooling
Protection grade	IP54
Operating temperature range	-30 ~+60

IGBT

High-frequency Isolated IGBT Power Supply For Hydrogen Production

Features	
	Qr_l b_pb k mbsj_p bcqge l gq a m l t c l g c l r d m p n p m b s a r g m l _ l b k _ g l r c l _ l a c,
	@s g j r g l f g e f + d p c o s c l a w g q m j _ r g m l * g r a _ l ` c b g p c a r j w a m l l c a r c b r m r f c e p g b * u g r f q k _ j j q g x c _ l b f g e f n m u c p b c l q g r w,
	U g b c t m j r _ e c _ b _ n r _ r g m l p _ l e c * _ n n j g a _ ` j c r m t _ p g m s q t m j r _ e c j c t c j q,
Options	
4 . + / 0 . . i U	M n r g m l _ j n m u c p p _ l e c 4 . + / 0 . . i U
- 16 . T - 00 . T 3 . F x - 4 . F x	P _ r c b g l n s r t m j r _ e c - d p c o s c l a w 16 . T - 00 . T 3 . F x - 4 . F x & Q c r r _ ` j c
. T + 1 . . T	P _ r c b m s r n s r t m j r _ e c . T + 1 . . T & Q c r r _ ` j c
. + 3 . . . ?	P _ r c b B A a s p p c l r . + 3 . . . ?

Model	WDHI60~600			
AC input				
Input voltage range	198~418V			
Grid frequency	50/60Hz			
Total current distortion rate	<3% (At maximum power)			
Power factor	>0.99			
DC output				
Maximum output power	600kW(to 1200kW)	1200kW)	Parallel power extension	
Maximum output voltage	300V			
Maximum output current	5000A(to 10000A	10000A)	Parallel power extension	
Operating voltage range	0~300V			
Output current accuracy	≤ 0.5% (Maximum output current)			
Output Current Ripple	≤ 0.5%			
Dynamic response time	<20ms			
Output control mode	Voltage /current /power control			
Protect				
Reactive compensation function	possess			
identify AC phase sequence	possess			
Linkage fault protection	possess			
AC insulation test	possess			
General parameters				
Communication interface	CAN,RS85,Ethernet			
Cooling Method	Wind cooling			
Protection grade	IP21			
Operating temperature range	-30 ~+60 >45) >45 Derating)			

Thyristor Power Supply For Hydrogen Production

Features

GN	U_rcp ammjgle bcqgel* fgef GN jctcj* fgef pcjg_`gjgrw_l b c agclaw,
	Rfc am k n m l c l r n p c q q k m s l r g l e _ b m n r q r f c r w n g a _ j b c q g e l m d`_j_l a c b v c b q r p c q q * b m s `j c g l q s j _ r g m l ,
	I c w q r p s a r s p _ j a m k n m l c l r q _ p c k _ b c m d j m u n c p k c _ `g j g r w k _ r c p q _ j q r m c c a r g t c j w n p c t c l r j m a _ j m t c p f c _ r g l e m d r f c a _ `g l c r a _ s q c b `w c b b w a s p p c l r ,
	A m k n j c r c n p m r c a r g m l k c _ q s p c q * p c _ j + r g k c k m l g r m p g l e m d _ g p r c k n c p _ r s p c * f s k g b g r w * u _ r c p r c k n c p _ r s p c * u _ r c p n p c q q s p c * u _ r c p m u * u _ r c p j c _ i _ e c * c j c k c l r r c k n c p _ r s p c * c r a , g l r f c a _ `g l c r ,
/O +74	K s j r g + n s j q c p c a r g d g a _ r g m l a _ l `c p c _ j g x c b r f p m s e f / O + 7 4 n s j q c u _ t c r m p c b s a c f _ p k m l g a q ,
	Q k _ j j q q x c _ l b j m u c o s g n k c l r g l t c q r k c l r ,

Options

/03.+//2...iU	Mnrgm l _ j n m u c p _ l e c 0 / 0 3 . + / / 2 . . . i U
- 13iT-/.iT 3.Fx-4.Fx	P_rcb g l n s r t m j r _ e c - d p c o s c l a w 0 1 3 i T - / . i T 3 . F x - 4 . F x A m l _ e s p _ `j c
.T+60.T	P_rcb m s r n s r t m j r _ e c 0 . T + 6 0 . T Q c r r _ `j c
.+0....?	P_rcb B A a s p p c l r 0 . + 0 ?

Model	WDHS1250~11400	
AC input		
Grid frequency	50/60Hz	
Total current distortion rate	<5%	(At maximum power)
Power factor	≥ 0.9	
DC output		
Maximum output voltage	820V	
Maximum output current	20000A	
Operating voltage range	0~820V	
Output current accuracy	≤ 0.50%	(Maximum output current)
Output Current Ripple	≤ 5%	
Output control mode	Voltage /current /power control	
Protect		
identify AC phase sequence	possess	
Linkage fault protection	possess	
General parameters		
Communication interface	CAN,RS85,Ethernet	
Cooling Method	Water cooling	
Protection grade	IP54	
Operating temperature range	-30 ~+60	

DC-DC
DC-DC F

Feat

GE@R

KNNR

Opti

850VD

Model	WDHD750~11400	
AC input		
Input voltage range	850~1500V(1300V	MPPT)/10kV ± 10%
MPPT MPPT quantity	1	
Maximum input current	980A	750kW
DC output		
Maximum output power	750~11400kW	
Maximum output voltage	820V	
Maximum output current	20000A	
Operating voltage range	0~820V	
Output current accuracy	≤ 0.5%	(Maximum output current)
Output Current Ripple	≤ 0.5%	
Dynamic response time	<60ms	
Output control mode	/ / Voltage /current /power control	
Protect		
Linkage fault protection	possess	
Input/output insulation detection	possess	
General parameters		
Communication interface	CAN,RS85,Ethernet	
Cooling Method	Water cooling	
Protection grade	IP54	
Operating temperature range	-30 ~+60	



Security Management

Data Center

Comprehensive data collection, detection and analysis.

Grasp the energy consumption situation in real time and comprehensively, and assist the accurate decision-making and control of the hydrogen production system.

Establish efficient hydrogen production strategy by calculating and analyzing hydrogen production efficiency.

Hydrogen Compressor System Solution

Rfc fwbpmecl am k npcqqmp gq m l c md rfc rfpcc ampc am k nmlclrq md rfc fwbpmecl pcdscjgle qr_rgm l, Am k n_pcb ugrf ngqrm l am k npcqqgm l* rfc bg_nfp_ek am k npcqqmp f_q rfc af_p_arcpgqrgaq md lm nmjjsrgm l gl rfc am k npcqqgm l nmacqq* lm jc_i_ec gl rfc am k npcqqgm l nmacqq* fgef am k npcqqgm l p_rgm _l b fgef cvf_sqr npcqqspc, Rfcpcdmpe* rfc am k kmljw sqcb fwbpmecl am k npcqqgm l cosgn k clrq rfc bg_nfp_ek am k npcqqmp,

?r npcqclr* rfc jma_jgx_rgm l npmnmpgm l md fwbpmecl am k npcqqmp gq ep_bs_jjw gl apc_qgle, Umjm le Epmsn f_q pc_afcb ammncp_rgm l ugrf qctcp_j bm k cqrqa am k npcqqmp k_lsd_arspcpq rm npmtgbc bpgtc _l b am l rpmj npmb sarq qsaf _q k mrmpp _l b gl tcprcp dmp fwbpmecl am k npcqqmp* _l b _jqm a_l npmtgbc _ am k njcrc qcr md e_q am k npcqqmp qwqrc k q,



Project Case

- IGBT “ ”
Green Power IGBT Power Supply For Hydrogen Production Project of SINOPEC STAR Petroleum Co., Ltd.

Npmhcar Am I esp_rgm I

2 4K U+GE@R
Dmsp 4K U+GE@R fwbpmec I
ec I cp_rgm I nmucp qsnnjgcq

0 /OKT?
Rum /OKT? rp_ l qdmp k cpq

- Xinjiang Kuqa Green Hydrogen Demonstration Project Of SINOPEC STAR Petroleum Co., Ltd.

Npmhcar Am I esp_rgm I

04 /03. . iT?
04 nf_qc qfgdrqb pcarg cp
rp_ l qdmp k cpq md /03. . iT?

