The group G is isomorphic to the group labelled by [336, 114] in the Small Groups library.
Ordinary character table of $G \cong$ SL(2,7):

	$1a$	$3a$	$7a$	$7b$	$4a$	$6a$	$8a$	$8b$	$14a$	$14b$	$2a$
χ_1	1	1	1	1	1	1	1	1	1	1	1
χ_2	3	0	$E(7)+E(7)^2+E(7)^4$	$E(7)^3+E(7)^5+E(7)^6$	-1	0	1	1	$E(7)+E(7)^2+E(7)^4$	$E(7)^3+E(7)^5+E(7)^6$	3
χ_3	3	0	$E(7)^3+E(7)^5+E(7)^6$	$E(7)+E(7)^2+E(7)^4$	-1	0	1	1	$E(7)^3+E(7)^5+E(7)^6$	$E(7)+E(7)^2+E(7)^4$	3
χ_4	4	1	$-E(7)-E(7)^2-E(7)^4$	$-E(7)^3-E(7)^5-E(7)^6$	0	-1	0	0	$E(7)+E(7)^2+E(7)^4$	$E(7)^3+E(7)^5+E(7)^6$	-4
χ_5	4	1	$-E(7)^3-E(7)^5-E(7)^6$	$-E(7)-E(7)^2-E(7)^4$	0	-1	0	0	$E(7)^3+E(7)^5+E(7)^6$	$E(7)+E(7)^2+E(7)^4$	-4
χ_6	6	0	-1	-1	2	0	0	0	-1	-1	6
χ_7	6	0	-1	-1	0	0	$-E(8)+E(8)^3$	$E(8)-E(8)^3$	1	1	-6
χ_8	6	0	-1	-1	0	0	$E(8)-E(8)^3$	$-E(8)+E(8)^3$	1	1	-6
χ_9	7	1	0	0	-1	1	-1	-1	0	0	7
χ_{10}	8	-1	1	1	0	-1	0	0	1	1	8
χ_{11}	8	-1	1	1	0	1	0	0	-1	-1	-8

Trivial source character table of $G \cong$ SL(2,7) at $p = 2$:

Normalisers N_i	N_1				N_2				N_3	N_4		N_5		N_6	N_7
p-subgroups of G up to conjugacy in G	P_1				P_2				P_3	P_4		P_5		P_6	P_7
Representatives $n_j \in N_i$	$1a$	$3a$	$7a$	$7b$	$1a$	$3a$	$7a$	$7b$	$1a$	$1a$	$3a$	$1a$	$3a$	$1a$	$1a$
$1\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+1\cdot\chi_4+1\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+1\cdot\chi_9+0\cdot\chi_{10}+0\cdot\chi_{11}$	16	4	2	2	0	0	0	0	0	0	0	0	0	0	0
$0\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9+1\cdot\chi_{10}+1\cdot\chi_{11}$	16	-2	2	2	0	0	0	0	0	0	0	0	0	0	0
$0\cdot\chi_1+0\cdot\chi_2+1\cdot\chi_3+1\cdot\chi_4+0\cdot\chi_5+1\cdot\chi_6+1\cdot\chi_7+1\cdot\chi_8+1\cdot\chi_9+0\cdot\chi_{10}+0\cdot\chi_{11}$	32	2	$2*E(7)+2*E(7)^2+4*E(7)^3+2*E(7)^4+4*E(7)^5+4*E(7)^6$	$4*E(7)+4*E(7)^2+2*E(7)^3+4*E(7)^4+2*E(7)^5+2*E(7)^6$	0	0	0	0	0	0	0	0	0	0	0
$0\cdot\chi_1+1\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+1\cdot\chi_5+1\cdot\chi_6+1\cdot\chi_7+1\cdot\chi_8+1\cdot\chi_9+0\cdot\chi_{10}+0\cdot\chi_{11}$	32	2	$4*E(7)+4*E(7)^2+2*E(7)^3+4*E(7)^4+2*E(7)^5+2*E(7)^6$	$2*E(7)+2*E(7)^2+4*E(7)^3+2*E(7)^4+4*E(7)^5+4*E(7)^6$	0	0	0	0	0	0	0	0	0	0	0
$0\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9+1\cdot\chi_{10}+0\cdot\chi_{11}$	8	-1	1	1	8	-1	1	1	0	0	0	0	0	0	0
$0\cdot\chi_1+0\cdot\chi_2+1\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+1\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+1\cdot\chi_9+0\cdot\chi_{10}+0\cdot\chi_{11}$	16	1	$E(7)+E(7)^2+2*E(7)^3+E(7)^4+2*E(7)^5+2*E(7)^6$	$2*E(7)+2*E(7)^2+E(7)^3+2*E(7)^4+E(7)^5+E(7)^6$	16	1	$E(7)+E(7)^2+2*E(7)^3+E(7)^4+2*E(7)^5+2*E(7)^6$	$2*E(7)+2*E(7)^2+E(7)^3+2*E(7)^4+E(7)^5+E(7)^6$	0	0	0	0	0	0	0
$0\cdot\chi_1+1\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+1\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+1\cdot\chi_9+0\cdot\chi_{10}+0\cdot\chi_{11}$	16	1	$2*E(7)+2*E(7)^2+E(7)^3+2*E(7)^4+E(7)^5+E(7)^6$	$E(7)+E(7)^2+2*E(7)^3+E(7)^4+2*E(7)^5+2*E(7)^6$	16	1	$2*E(7)+2*E(7)^2+E(7)^3+2*E(7)^4+E(7)^5+E(7)^6$	$E(7)+E(7)^2+2*E(7)^3+E(7)^4+2*E(7)^5+2*E(7)^6$	0	0	0	0	0	0	0
$1\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+1\cdot\chi_9+0\cdot\chi_{10}+0\cdot\chi_{11}$	8	2	1	1	8	2	1	1	0	0	0	0	0	0	0
$1\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+2\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+1\cdot\chi_9+0\cdot\chi_{10}+0\cdot\chi_{11}$	20	2	-1	-1	20	2	-1	-1	4	0	0	0	0	0	0
$1\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+1\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+1\cdot\chi_9+0\cdot\chi_{10}+0\cdot\chi_{11}$	14	2	0	0	14	2	0	0	2	2	2	0	0	0	0
$0\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+1\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}+0\cdot\chi_{11}$	6	0	-1	-1	6	0	-1	-1	2	2	-1	0	0	0	0
$1\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+1\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+1\cdot\chi_9+0\cdot\chi_{10}+0\cdot\chi_{11}$	14	2	0	0	14	2	0	0	2	0	0	2	2	0	0
$0\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+1\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}+0\cdot\chi_{11}$	6	0	-1	-1	6	0	-1	-1	2	0	0	2	-1	0	0
$1\cdot\chi_1+1\cdot\chi_2+1\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+2\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+1\cdot\chi_9+0\cdot\chi_{10}+0\cdot\chi_{11}$	26	2	-2	-2	26	2	-2	-2	2	0	0	0	0	2	0
$1\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}+0\cdot\chi_{11}$	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

$P_1 = Group([()]) \cong 1$
$P_2 = Group([(1,4)(2,3)(5,7)(6,8)(9,10)(11,12)(13,15)(14,16)]) \cong$ C2
$P_3 = Group([(1,4)(2,3)(5,7)(6,8)(9,10)(11,12)(13,15)(14,16),(1,6,4,8)(2,14,3,16)(5,11,7,12)(9,15,10,13)]) \cong$ C4
$P_4 = Group([(1,4)(2,3)(5,7)(6,8)(9,10)(11,12)(13,15)(14,16),(1,6,4,8)(2,14,3,16)(5,11,7,12)(9,15,10,13),(1,10,4,9)(2,7,3,5)(6,15,8,13)(11,16,12,14)]) \cong$ Q8
$P_5 = Group([(1,4)(2,3)(5,7)(6,8)(9,10)(11,12)(13,15)(14,16),(1,6,4,8)(2,14,3,16)(5,11,7,12)(9,15,10,13),(1,2,4,3)(5,13,7,15)(6,16,8,14)(9,11,10,12)]) \cong$ Q8
$P_6 = Group([(1,4)(2,3)(5,7)(6,8)(9,10)(11,12)(13,15)(14,16),(1,6,4,8)(2,14,3,16)(5,11,7,12)(9,15,10,13),(1,12,6,5,4,11,8,7)(2,15,14,10,3,13,16,9)]) \cong$ C8
$P_7 = Group([(1,4)(2,3)(5,7)(6,8)(9,10)(11,12)(13,15)(14,16),(1,6,4,8)(2,14,3,16)(5,11,7,12)(9,15,10,13),(1,10,4,9)(2,7,3,5)(6,15,8,13)(11,16,12,14),(1,2,4,3)(5,13,7,15)(6,16,8,14)(9,11,10,12)]) \cong$ Q16

$N_1 = Group([(1,2,4,3)(5,9,7,10)(6,11,8,12)(13,16,15,14),(2,5,6)(3,7,8)(9,13,14)(10,15,16)]) \cong$ SL(2,7)
$N_2 = Group([(1,2,4,3)(5,9,7,10)(6,11,8,12)(13,16,15,14),(2,5,6)(3,7,8)(9,13,14)(10,15,16)]) \cong$ SL(2,7)
$N_3 = Group([(1,6,4,8)(2,14,3,16)(5,11,7,12)(9,15,10,13),(1,4)(2,3)(5,7)(6,8)(9,10)(11,12)(13,15)(14,16),(1,2,4,3)(5,13,7,15)(6,16,8,14)(9,11,10,12),(1,5,8,12,4,7,6,11)(2,10,16,15,3,9,14,13)]) \cong$ Q16
$N_4 = Group([(1,10,4,9)(2,7,3,5)(6,15,8,13)(11,16,12,14),(1,6,4,8)(2,14,3,16)(5,11,7,12)(9,15,10,13),(1,4)(2,3)(5,7)(6,8)(9,10)(11,12)(13,15)(14,16),(5,12,14)(6,9,13)(7,11,16)(8,10,15),(1,2,4,3)(5,6,7,8)(9,16,10,14)(11,15,12,13)]) \cong$ C2 . S4 = SL(2,3) . C2
$N_5 = Group([(1,2,4,3)(5,13,7,15)(6,16,8,14)(9,11,10,12),(1,6,4,8)(2,14,3,16)(5,11,7,12)(9,15,10,13),(1,4)(2,3)(5,7)(6,8)(9,10)(11,12)(13,15)(14,16),(2,14,6)(3,16,8)(5,13,12)(7,15,11),(1,5,2,13,4,7,3,15)(6,10,16,12,8,9,14,11)]) \cong$ C2 . S4 = SL(2,3) . C2
$N_6 = Group([(1,12,6,5,4,11,8,7)(2,15,14,10,3,13,16,9),(1,6,4,8)(2,14,3,16)(5,11,7,12)(9,15,10,13),(1,4)(2,3)(5,7)(6,8)(9,10)(11,12)(13,15)(14,16),(1,2,4,3)(5,13,7,15)(6,16,8,14)(9,11,10,12)]) \cong$ Q16
$N_7 = Group([(1,2,4,3)(5,13,7,15)(6,16,8,14)(9,11,10,12),(1,10,4,9)(2,7,3,5)(6,15,8,13)(11,16,12,14),(1,6,4,8)(2,14,3,16)(5,11,7,12)(9,15,10,13),(1,4)(2,3)(5,7)(6,8)(9,10)(11,12)(13,15)(14,16)]) \cong$ Q16